



February 27, 2007

Utah Division of Oil, Gas and Mining
P.O. Box 145801
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114-5801

5-27-46 DLB (Old Well Name – # 10 DLB 4-27-46)
UDWR Surface/Tribal Minerals
NWNW, Section 27-T4S-R6W
Duchesne County, Utah

Diana Whitney, Permitting - Petroleum Technician:

Enclosed please find a copy of Bill Barrett Corporation's (BBC) application for permit to drill the above captioned well. James A. Truesdale, an Independent Archaeologist, working for Berry Petroleum Company conducted a Class III archeological survey for this location. The report is known as the "Lake Canyon Tribal # 4-27-46". The results of this survey have been outlined in Truesdale's report. Based on his findings, a determination of "no further archaeological work is necessary and clearance is recommended for all of the projects".

Please contact me at (303) 312-8546 if you need anything additional or have any questions.

Sincerely,

Reed Haddock
Permit Analyst

Enclosures

RECEIVED
MAR 02 2007
DIV. OF OIL, GAS & MINING

1099 18TH STREET
SUITE 2300
DENVER, CO 80202
P 303.293.9100
F 303.291.0420

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

5. Lease Serial No. BIA 14-20-H62-5500	
6. If Indian, Allottee or Tribe Name UTE INDIAN TRIBE	
7. If Unit or CA Agreement, Name and No. N/A	
8. Lease Name and Well No. # 5-27-46 DLB	
9. API Well No. Pending 43-013-33568	
10. Field and Pool, or Exploratory Attainment	
11. Sec., T. R. M. or Blk. and Survey or Area Section 27-T4S-R6W U.S.B.&M.	
12. County or Parish Duchesne	
13. State UT	
14. Distance in miles and direction from nearest town or post office* Approximately 12 miles southwest of Duchesne, Utah	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 752' SHL; 660' BHL	
16. No. of acres in lease N/A	
17. Spacing Unit dedicated to this well 40	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 3660' NE	
19. Proposed Depth 9117'	
20. BLM/BIA Bond No. on file Nationwide Bond #WYB000040	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 7169' Ungraded Ground	
22. Approximate date work will start* 06/01/2007	
23. Estimated duration 45 days	

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature <i>Reed Haddock</i>	Name (Printed/Typed) Reed Haddock	Date 02/27/2007
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Title Permit Analyst	Name (Printed/Typed) BRADLEY G. HILL	Date 05-14-07
Approved by <i>[Signature]</i>	Title ENVIRONMENTAL MANAGER	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on page 2)

Surf

Federal Approval of this
Action is Necessary

BUL

537884 X

4439399 Y

40.105934

-110.555586

537911 X

4439745 Y

40.109223

-110.555172

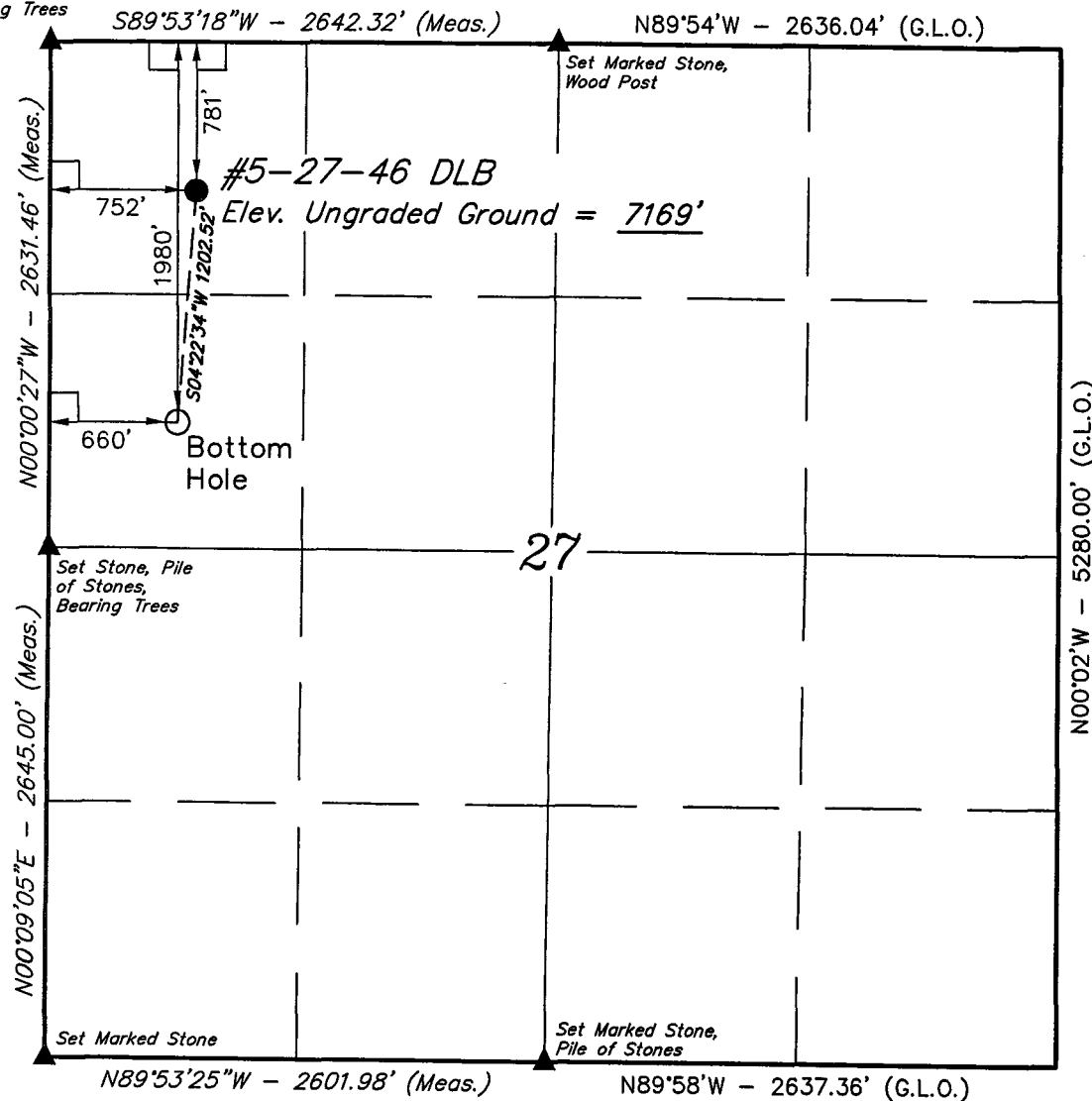
RECEIVED

MAR 02 2007

DIV. OF OIL, GAS & MINING

T4S, R6W, U.S.B.&M.

Set Stone, Pile
of Stones,
Bearing Trees



LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)
 LATITUDE = 40°06'33.25" (40.109236)
 LONGITUDE = 110°33'20.76" (110.555767)
 (NAD 27)
 LATITUDE = 40°06'33.40" (40.109278)
 LONGITUDE = 110°33'18.20" (110.555056)

BILL BARRETT CORPORATION

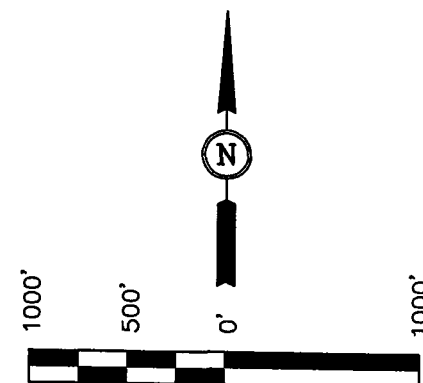
Well location, #5-27-46 DLB, located as shown in the NW 1/4 NW 1/4 of Section 27, T4S, R6W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

BENCH MARK (M67) LOCATED IN THE SW 1/4 OF SECTION 9, T5S, R4W, U.S.B.&M., TAKEN FROM THE DUCHESNE SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED ON CAP AS BEING 6097 FEET.

BASIS OF BEARINGS

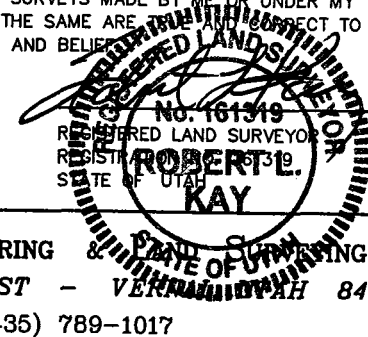
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



SCALE

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



REVISED: 01-19-07

UINTAH ENGINEERING & SURVEYING
 85 SOUTH 200 EAST - VERNON, UTAH 84078
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 09-06-06	DATE DRAWN: 09-07-06
PARTY J.R. A.A. R.P. P.M.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE BILL BARRETT CORPORATION	

RIGHT-OF-WAY AND EASEMENT AGREEMENT
FOR NATURAL GAS PIPELINE, ROADS AND WELL SITES
DWR Easement Number DUC 0610 EA070

THIS RIGHT-OF-WAY AND EASEMENT AGREEMENT is entered into between the Utah Division of Wildlife Resources, whose address is 1594 West North Temple, Suite 2110, Salt Lake City, Utah 84114-6301 ("DWR"), and Bill Barrett Corporation whose address is 1099 18th Street, Suite 2300 Denver, CO 80202 ("BBC").

WHEREAS, DWR owns certain real property known as the Indian Canyon Wildlife Management Area (the "Property") located in Duchesne County, in Northeastern Utah; and

WHEREAS, BBC is desirous of obtaining a right-of-way easement on the Property for the purpose of installing and operating two (2) well locations (the "Wells") and a natural gas transportation pipeline (the "Pipeline") and for associated access roads (the "Roads"), referred to herein collectively as "the Project"; and

WHEREAS, DWR and BBC are collectively referred to herein as the "Parties"; and

WHEREAS, the Parties desire to enter into this Right-of-Way and Easement Agreement (the "Agreement") whereby DWR grants BBC an easement and right-of-way ("Easement") for BBC Project operations over and upon DWR lands.

NOW THEREFORE, in exchange for the mutual consideration, as described below, and other good and valuable consideration, the Parties agree as follows:

A. Operations. To conduct operations in conformance with the Surface Use Plan for Bill Barrett Corporation's 2007-2008 Development Program – Lake Canyon Area, Duchesne County, Utah (the "Surface Use Plan"), attached hereto as Exhibit "C".

B. Easement Location and Description.

1. The length of the Project. The Project length is 32,307.92 feet or 1,958 Rods, and covers 47.503 acres, in the area shown on the general location map attached hereto as Exhibit "A". Distances and surface use for the Project are shown on the Table of Surface Use, attached hereto as Exhibit "A-1".

2. Location of Wells and legal descriptions. The Right-of-Way Easement for the Project is as follows:

the Pipeline and Roads will cover a fifty (50) foot wide construction right-of-way, reduced to a thirty (30) foot wide permanent right-of-way, along and being fifteen (15) feet on either side of the center line depicted on the attached Exhibits "B", "B-1", "B-2", "B-3", "B-4", and "B-5". The two Wells are depicted in Exhibits "B-2", "B-4", and "B-5" and are known as the 5-3-56 DLB well (formerly known as the # 4 DLB 12-3-56) and the 5-27-46 DLB well.

C. Terms and Conditions.

The DWR hereby grants a Right-of-Way and Easement (the "Easement") to BBC over and across the above described lands, subject to the terms and conditions of the Surface Use Plan attached hereto as Exhibit "C".

1. Project Description. This Easement is for the purpose of constructing two (2) well sites, using existing access roads wherever possible, and laying natural gas pipelines on the surface and along the side of existing roads to transport natural gas from the oil and gas wells.
2. Ingress and Egress. The Easement includes reasonable rights of continued ingress and egress over and upon the Project lands for the purpose of construction, installation, operations, and maintenance of the Wells, Pipeline and Roads.
3. Minimizing Surface Disturbance. Excavation, construction, installation, and maintenance operations contemplated hereby are to be carried out in a manner to ensure minimum disturbance to the lands within and adjacent to the Easement.
4. Project Area Restoration. BBC will ensure that immediately following construction and installation of the Project, all disturbed lands not required for continuous use will be graded and restored to original conditions. During the term of the Easement, all existing fences, gates and other structures damaged by BBC will be restored to their original condition before the damage occurred.
5. Noxious Weeds. According to state law, DWR is mandated to control noxious weeds and their spread. BBC shall wash all equipment and vehicles arriving from outside the Unita Basin, to reduce the possibility of off-site introductions of undesirable plant species, prior to entering DWR property. Further, BBC will assume the costs of chemicals, labor, and all other measures needed to prevent and control the spread of noxious weeds along the Project route and on and around the drilling pads of the Wells, throughout the life of the Easement. In the event Project activities result in noxious weed problems after this Easement is terminated, BBC will continue to be responsible for the costs of controlling said noxious weeds until DWR is satisfied with the results and DWR releases BBC from further noxious weed control obligations. Obtaining approved procedures and required permits to control the noxious weeds will be the responsibility of BBC.
6. Re-vegetation. BBC will re-establish vegetation according to the Surface Use Plan.
7. Floods or Fire. In addition to the provisions set forth in C.11 herein, DWR assumes no responsibility or liability and shall be indemnified by BBC for damages and loss to the Property or any BBC facilities as a result of a natural flood event or a wildfire. BBC shall bear full cost and responsibility for flood and erosion damage for which Project construction, development or operations are the proximate cause of such damages. Further, BBC shall bear the full cost and responsibility for wildfires that result from the conduct of its Project operations.

8. Project Costs. All costs of the Project, including surveys, cultural and archeological surveys, and threatened and endangered species surveys which may be required prior to construction, and for re-vegetation of disturbed sites and restoration of all structures, will be borne by BBC.

9. Operation & Maintenance Responsibility. BBC is responsible for operating and maintaining the Project.

10. Compliance with Existing Laws. BBC agrees to comply with all Federal Environmental Protection Agency (EPA) and Utah Division of Oil Gas and Mining (DOGM) rules, regulations, and any other laws, rules or policies governing the construction, operation, and maintenance of the Project.

11. Indemnification. BBC agrees to protect, indemnify, save and hold harmless DWR, its agents and employees, from and against all claims, demands, damages, and causes of action of every kind or character on account of bodily injuries, death, or damage to property arising because of, for, out of, or in any way connected with the performance of BBC under this Agreement, except where such injury, death, or damage has resulted from the sole negligence of DWR without negligence or willful act on the part of BBC, its agents, successors, employees, or subcontractors. BBC shall defend all suits brought upon such claims (that are not deemed the responsibility of DWR as previously described herein) and pay all costs and expenses incidental thereto, but DWR shall have the right, at its option, to participate in the defense incidental thereto without relieving BBC of any obligation hereunder.

12. Easement Term. This Easement shall be for a term of thirty (30) years beginning on the date when all signatures have been affixed hereto. The Easement may be renewed or re-negotiated at any time 6-months prior to its expiration. Such application for renewal or re-negotiation shall be subject to DWR's policy in force at that time.

13. Cancellation. The Easement may be canceled by DWR for failure of BBC to abide by any of the terms and conditions set forth herein, after BBC has been given notice of such default, and if BBC fails to correct the default within 30 days after receipt of the notice. The Easement may be canceled by BBC upon 60 days notice to DWR.

14. Removals and Recovery. Should the Pipeline be abandoned by BBC or its successors (abandonment shall be when the facilities have been unused for their primary purpose, or is no longer in use by BBC or its successors for a period of five (5) years), BBC or its successors will remove from the Project Area all surface equipment and facilities associated with the Pipeline and restore all impacted land and its vegetative cover in accordance with established laws, procedures, policies, guidelines and terms and conditions set forth above in provisions C.4, C.5, and C.6. Said removal and restoration shall be completed within nine (9) months from the time BBC has determined the Pipeline will no longer be used. BBC shall make a diligent and good-faith effort to clean the Pipeline using standard industry practices and technologies available at the time the Pipeline is no longer used to transport natural gas in order to minimize, as much as

reasonably practical, environmental contaminants left on or in the Pipeline. At such time as the Project is no longer operational and has been restored to its natural condition, this Easement as to the Project shall be deemed terminated without cost, loss, or reimbursement by the DWR to BBC for the Easement or any part/portion thereof.

15. Transfer of Easement Privileges and Terms. The privileges, rights, terms and conditions of this Agreement shall apply to any party, their successors and assigns.

16. Bonding. BBC's obligations under this Agreement shall be insured under a Field Reclamation Bond ("Bond"), made payable to the Utah Division of Wildlife Resources in the amount of \$100,000 (One-Hundred Thousand Dollars), bond Number LPM 8874728 issued by Fidelity and Deposit Company of Maryland and attached hereto as Exhibit "D". Bond coverage shall remain in full force and effect until released by DWR.

The amount of bonding coverage may be reviewed from time to time, and shall be reviewed at least every ten (10) years during the term of this agreement to determine if adjustments are required for inflation or for the scope of BBC's cumulative obligations covered by said Bond. In the event it is determined that an adjustment is required, DWR shall provide written notification to BBC, its successors or assigns. Should the use of the bonding funds be required for clean up or restoration, BBC or its successors shall be responsible for any and all funds required for completion of restoration or repair in excess of the bonded amount. The acceptance of restoration and/or repair of DWR lands shall be at the sole discretion of the DWR.

D. Right-of-Way Easement Fee.

The Fee for this Right-of-Way and Easement Agreement is **\$35,245.01**. Payment is due when BBC returns this Agreement to DWR appropriately signed and notarized. This payment is computed as follows:

BBC supplied an Appraisal Report, prepared by Lang Appraisal Service, Inc. and William R. Lang, MAI, dated December 15, 2006. The appraisal meets Uniform Appraisal Standards for Federal Land Acquisitions. Based upon this appraisal, the market value of the subject easement is \$6,500.00, as computed by an analysis of the before and after value of the larger parcel. A per acre value computed at \$120/acre for 47.503 acres, or \$5,643.60, less 10%, is a total fee of \$5,079.24.

The value of the Easement, calculated according to UDWR's fee schedule, is \$35,245.01, computed at \$18/rod for 1,958.056 rods, plus \$120.00/acre (less 10% or \$108.00 per acre) for the Well sites. The Wells sites cover 2.564 acres and 2.933 acres (a total of 5.497 acres) at \$108.00 per acre, or a \$593.60 fee for the two (2) Well sites.

The higher of the two appraisal values is \$35,245.01 plus \$593.60 for the two (2) Well sites, for a total of **\$35,838.69**. Of this total calculation of fees, \$26,879.01.76 (75% of the total) will be credited to the DWR W-113-L program as income. No costs are to be incurred by the Utah Division of Wildlife Resources as a result of this agreement. There shall be no pro rata reimbursement of any payments hereunder should the Project under

70 1029

this Agreement terminate before its term has lapsed.

IN WITNESS WHEREOF, the Parties accept the terms and conditions of this Right-of-Way and Easement Agreement, to be made effective on the 13th day of April, 2007.

BILL BARRETT CORPORATION

Duane Zavadi
By: Duane Zavadi

UTAH DIVISION OF WILDLIFE RESOURCES

Cynthia Jensen
By: *[Signature]* **DEPUTY DIRECTOR**
[Signature] 5/7/07
Financial Manager, Division of Wildlife Resources

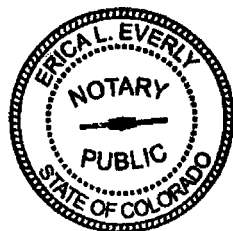
ACKNOWLEDGEMENT

STATE OF COLORADO)
CITY and) ss.
COUNTY OF DENVER)

The foregoing instrument was acknowledged before me this 13th day of April 2007, by Duane Zavadi who swore before me that he is authorized by Bill Barrett Corporation, a Delaware Corporation to sign the within document on behalf of said Bill Barrett Corporation.

Witness my hand and official seal.

My commission expires: _____



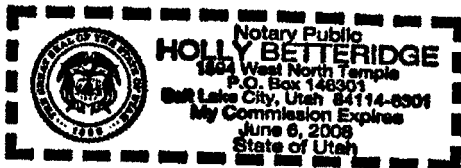
My Commission Expires Feb. 15, 2010

[Signature]
Notary Public
Residing at: Denver

ACKNOWLEDGEMENT

STATE OF UTAH)
) ss.
 COUNTY OF SALT LAKE)

On this 7th day of May, 2007, personally appeared before me Deputy
Cinder Jensen who being first duly sworn, said that he is the Director of
 the Division of Wildlife Resources for the State of Utah, that the foregoing instrument was
 executed pursuant to authority granted him by The Wildlife Resources Code of Utah (23-21-1),
 and he acknowledged to me that he executed the same.



Holly Betteridge
 Notary Public for the State of Utah

Residing at _____

My commission expires June 6, 2008

EXHIBIT A

70 1029

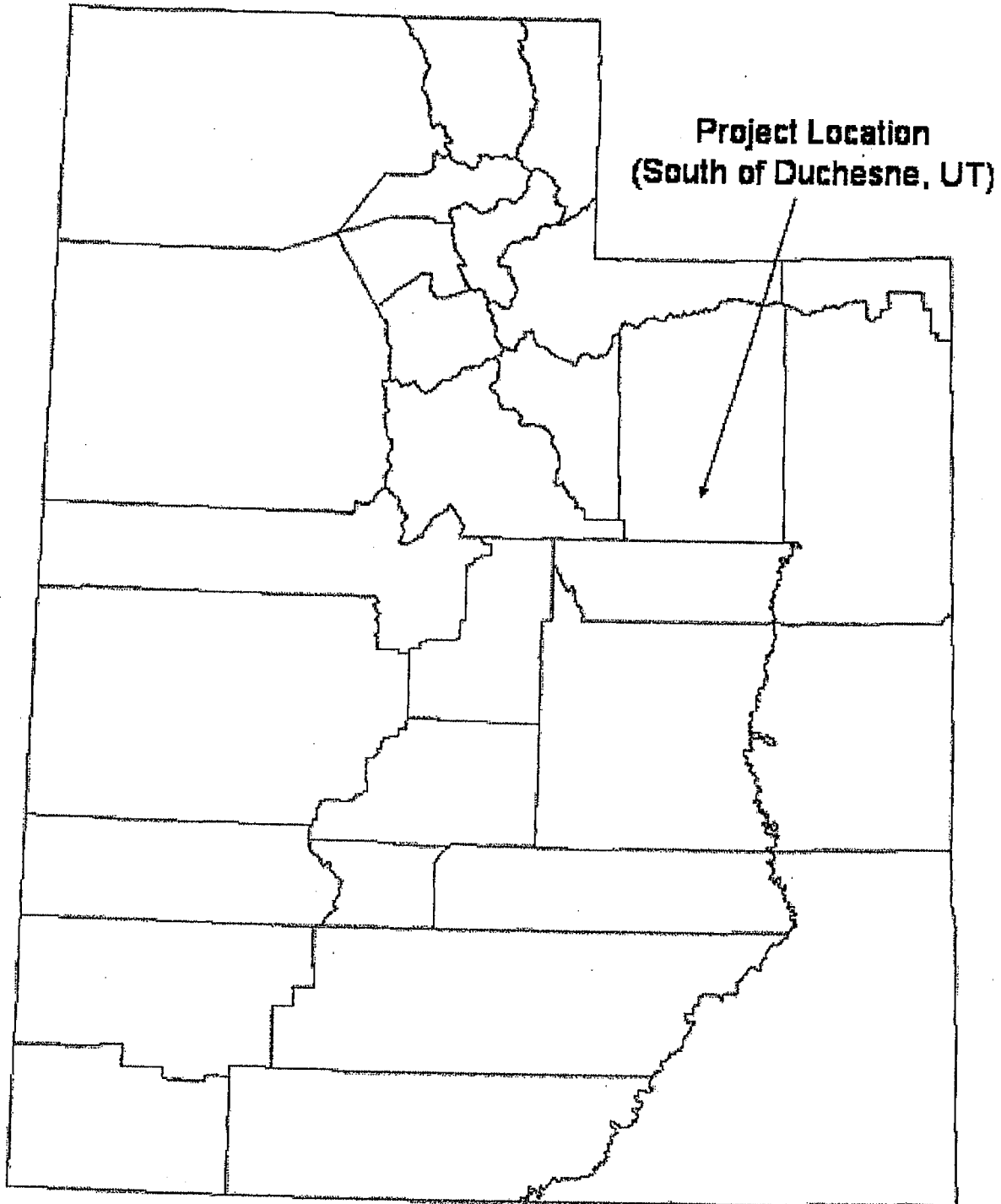


EXHIBIT A-1

70 1029

Bill Barrett Corporation

DWR Surface Use Table

								Submission Date
Subdivision	Section	Township	Range	Distance in feet	Distance in Miles	Acreage	Plats	9-13-06 / 10-20-06
NW/4 SW/4	3	5S	6W	(wellsite)	(wellsite)	2.564	47825 / 32218	9/13/2006
NW/4 SW/4	3	5S	6W	118.48	0.02	0.082	47825	10/20/2006
SW/4 SW/4, E/2 SW/4, SW/4 NE/4	3	5S	6W	4,082.27	0.77	5.62	32218	10/20/2006
S/2 S/2	3	5S	6W	4,299.81	0.81	5.92	32218	10/20/2006
N/2 NW/4	10	5S	6W	827.38	0.16	1.14	32218	12/12/2006
NE/4 NW/4	11	5S	6W	1114.68	0.21	1.535	48071	9/13/2006
NE/4	3	5S	6W	2,783.49	0.53	1.917	32200	9/13/2006
NW/4 NW/4	27	4S	6W	(wellsite)	(wellsite)	2.933	32201	9/13/2006
W/2 NW/4, SW/4 SW/4	27	4S	6W	3,255.26	0.62	4.48	32201	9/13/2006
W/2 W/2, SE/4 SW/4	34	4S	6W	5892.5	1.12	8.12	32201	9/13/2006
W/2 W/2	3	5S	6W	5,179.83	0.98	7.13	32201	10/20/2006
NW/4 NW/4	27	4S	6W	1054.15	0.2	1.45	47963	11/24/2006
SW/4 NW/4	27	4S	6W	700.44	0.13	0.482		11/24/2006
N/2 SW/4	14	4S	6W	2,999.63	0.57	4.13	47958-A	
Distance and acreage totals				32307.92	6.12	47.503		



**CORRIDOR RIGHT-OF-WAY DESCRIPTION ON
STATE OF UTAH DWL LANDS**

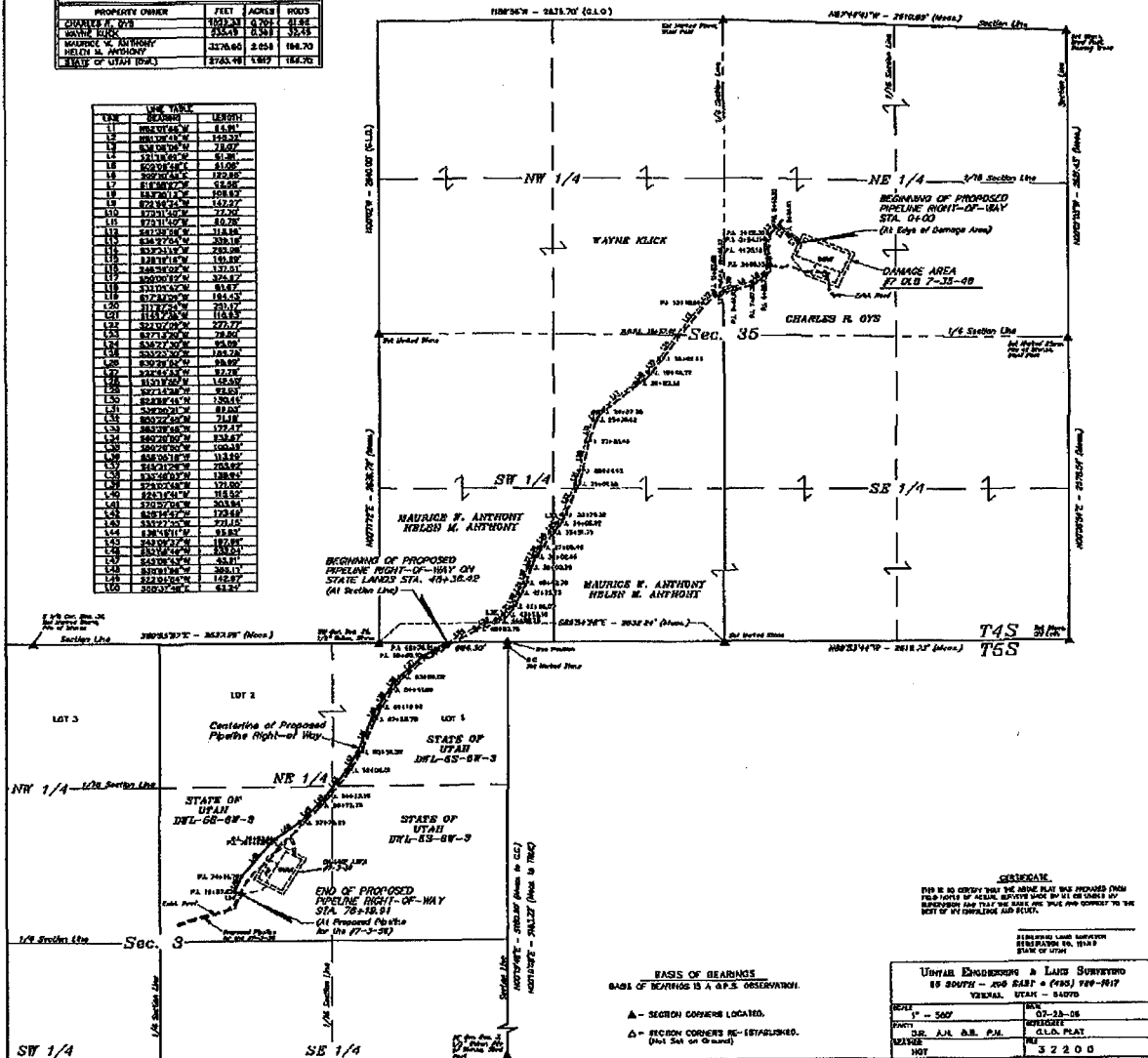
A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT ON THE EAST LINE OF THE NE 1/4 SW 1/4 OF SECTION 14, T4S, R6W, U.S.B.&M. WHICH BEARS N52°09'32"W 3296.57' FROM THE SOUTHEAST CORNER OF SAID SECTION 14, THENCE S14°41'57"E 96.19'; THENCE S56°42'33"W 147.86'; THENCE S69°28'14"W 208.93'; THENCE S89°59'57"W 335.83'; THENCE S79°04'44"W 271.28'; THENCE S82°33'05"W 189.54'; THENCE S86°52'16"W 331.82'; THENCE N71°55'11"W 104.03'; THENCE S47°09'40"W 97.53'; THENCE S41°45'57"W 122.50'; THENCE S71°12'38"W 148.22'; THENCE S79°35'25"W 351.37'; THENCE S73°39'33"W 156.76'; THENCE S55°22'09"W 135.37'; THENCE S82°00'56"W 115.20'; THENCE N77°46'37"W 238.72'; THENCE S81°07'34"W 181.76'; THENCE S89°56'37"W 82.88'; THENCE S89°56'37"W 46.41' TO A POINT ON THE WEST LINE OF THE NW 1/4 SW 1/4 OF SAID SECTION 14, WHICH BEARS N00°46'58"E 1770.44' FROM THE SOUTHWEST CORNER OF SAID SECTION 14. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 2.066 ACRES MORE OR LESS.

176

(For #7 DLB 7-35-46)
LOCATED IN
SECTION 3 T9S, R6W, U.S.D.#11A
DUCHESE COUNTY, UTAH

PA. 100, 0.20/0.1

[illegible][illegible]

**PIPELINE RIGHT-OF-WAY DESCRIPTION
ON STATE DWL LANDS**

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT ON THE NORTH LINE OF LOT 1 OF SECTION 3, T5S, R6W, U.S.B.&M., WHICH BEARS S89°54'28"E 513.46' FROM THE SOUTHWEST CORNER OF SECTION 35, T4S, R6W, U.S.B.&M., THENCE S60°20'50"W 100.39'; THENCE S56°05'18"W 113.29'; THENCE S45°31'29"W 255.92'; THENCE S35°40'03"W 135.94'; THENCE S29°03'45"W 171.00'; THENCE S24°14'41"W 115.52'; THENCE S20°57'04"W 303.84'; THENCE S28°14'47"W 173.69'; THENCE S35°27'55"W 271.15'; THENCE S39°45'11"W 95.62'; THENCE S43°09'37"W 197.86'; THENCE S52°56'49"W 233.04'; THENCE S45°06'43"W 45.91'; THENCE S38°51'56"W 365.11'; THENCE S22°04'54"W 142.97'; THENCE S68°37'48"E 62.24' TO A POINT IN THE SW 1/4 NE 1/4 OF SAID SECTION 3, WHICH BEARS S26°02'05"W 2388.29' FROM THE SOUTHWEST CORNER OF SAID SECTION 35. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 1.917 ACRES MORE OR LESS.

10



CORRIDOR RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 SW 1/4 OF SECTION 3, T5S, R6W, U.S.B.&M., WHICH BEARS N16°27'29"E 2528.10' FROM THE SOUTHWEST CORNER OF SAID SECTION 3, THENCE N78°50'54"E 74.05'; THENCE N63°58'37"E 44.43'; THENCE S30°52'26"E 17.83'; THENCE S19°07'21"E 152.88'; THENCE S11°08'10"E 123.15'; THENCE S17°17'39"E 323.38'; THENCE S12°29'05"E 122.43'; THENCE S06°28'07"E 126.56'; THENCE S36°21'54"E 85.95'; THENCE S03°31'25"W 80.85'; THENCE S13°59'39"W 189.07'; THENCE S26°18'58"W 141.67'; THENCE S17°43'44"W 91.94'; THENCE S29°11'54"W 103.04'; THENCE S03°47'44"W 118.15'; THENCE S01°26'43"E 136.33'; THENCE S04°43'44"W 145.50'; THENCE S01°05'18"W 167.99'; THENCE S61°14'36"E 25.00'; THENCE N28°45'24"E 138.87'; THENCE N44°03'41"E 457.59'; THENCE N29°00'02"E 202.79'; THENCE N51°03'06"E 413.28'; THENCE N39°43'12"E 177.01'; THENCE N49°56'15"E 208.68'; THENCE N47°07'31"E 209.95'; THENCE N25°37'59"E 129.28'; THENCE N38°48'00"W 199.32'; THENCE N14°51'54"W 98.73'; THENCE N33°19'04"E 208.46'; THENCE N49°59'06"E 581.61'; THENCE N43°33'01"E 215.05'; THENCE N73°38'24"E 377.68'; THENCE N65°03'16"E 103.42'; THENCE N25°10'32"E 126.51'; THENCE N77°29'57"E 144.39'; THENCE N57°51'48"E 64.65' TO A POINT IN THE SW 1/4 NE 1/4 OF SAID SECTION 3, WHICH BEARS S22°17'05"W 2248.21' FROM THE SOUTHEAST CORNER OF SECTION 34, T4S, R6W, U.S.B.&M. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 4.358 ACRES MORE OR LESS.

LATERAL SOUTH CORRIDOR RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE SW 1/4 SW 1/4 OF SECTION 3, T5S, R6W, U.S.B.&M., WHICH BEARS N65°55'39"E 996.95' FROM THE SOUTHWEST CORNER OF SAID SECTION 3, THENCE S28°45'24"W 148.77'; THENCE S20°46'45"W 29.01'; THENCE S38°43'59"E 214.01'; THENCE S53°20'03"E 135.94' TO A POINT ON THE SOUTH LINE OF THE SW 1/4 SW 1/4 OF SAID SECTION 3, WHICH BEARS N89°56'52"E 1071.33' FROM THE SOUTHWEST CORNER OF SAID SECTION 3, THENCE S53°20'03"E 93.66'; THENCE S49°53'24"E 192.11'; THENCE N84°44'19"E 125.75'; THENCE N64°44'08"E 259.65'; THENCE N68°12'05"E 156.21' TO A POINT ON THE NORTH LINE OF THE NE 1/4 NW 1/4 OF SECTION 10, T5S, R6W, U.S.B.&M., WHICH BEARS N89°56'52"E 1798.46' FROM THE NORTHWEST CORNER OF SAID SECTION 10, THENCE N68°12'05"E 34.39'; THENCE N59°22'41"E 313.82'; THENCE N54°20'44"E 150.48'; THENCE N62°49'27"E 418.54'; THENCE N78°29'52"E 553.66'; THENCE N78°44'54"E 405.86'; THENCE N79°09'14"E 365.78'; THENCE S71°21'26"E 140.30'; THENCE N87°47'01"E 181.33'; THENCE S81°31'53"E 187.01'; THENCE S86°57'47"E 34.29'; THENCE N84°23'48"E 72.66'; THENCE N77°59'23"E 117.31'; THENCE N68°58'44"E 49.04'; THENCE N50°24'21"E 51.20'; THENCE N44°21'06"E 94.58'; THENCE N41°27'12"E 93.43'; THENCE N42°59'45"E 212.73'; THENCE N69°58'17"E 243.61'; THENCE N89°39'51"E 52.06' TO A POINT ON THE EAST LINE OF THE SE 1/4 SE 1/4 OF SAID SECTION 3, WHICH BEARS N00°19'48"E 1098.30' FROM THE SOUTHEAST CORNER OF SAID SECTION 3. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 3.531 ACRES MORE OR LESS.

PB

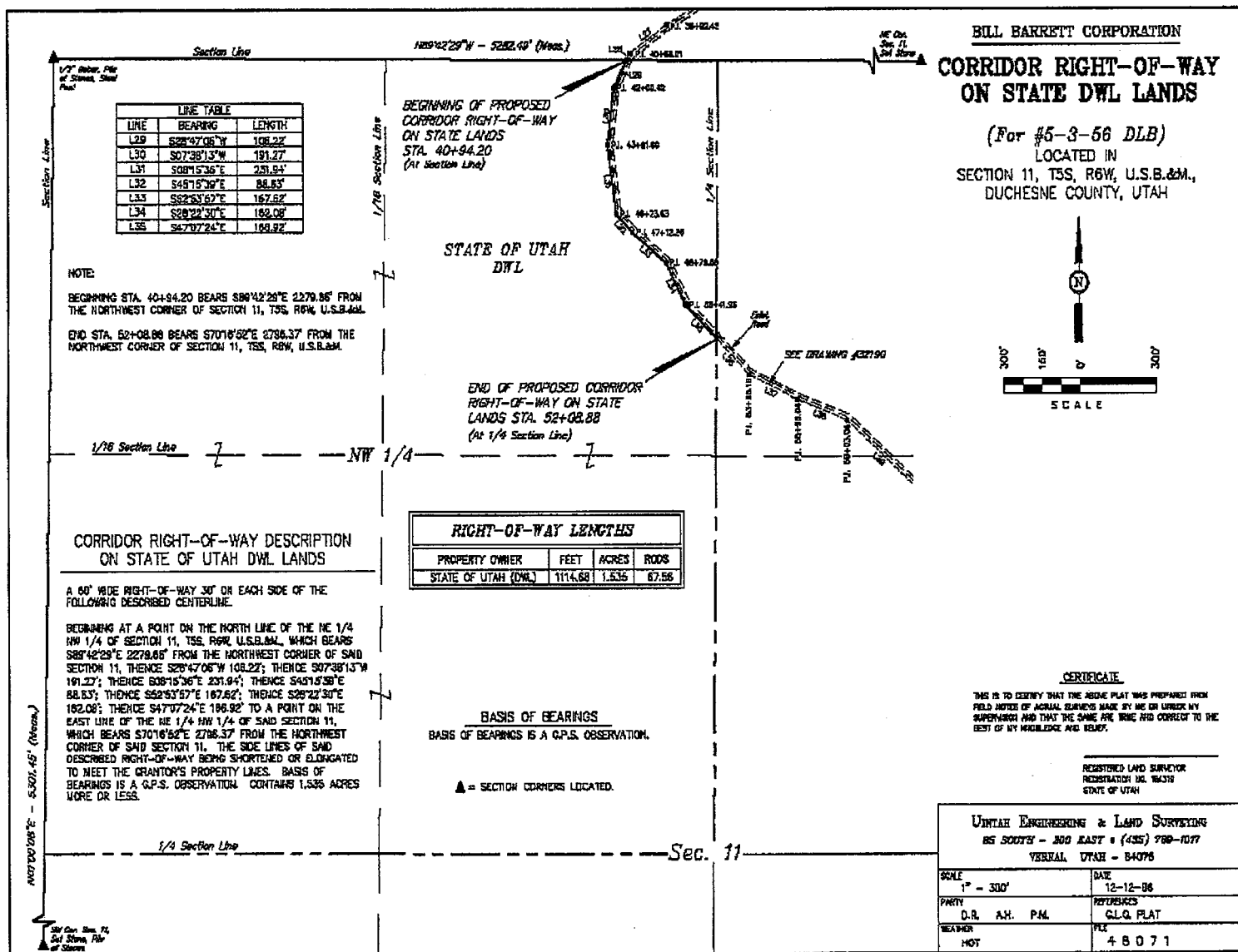


EXHIBIT B-3

70 1029

CORRIDOR RIGHT-OF-WAY DESCRIPTION ON STATE OF UTAH DWL LANDS

A 60' WIDE RIGHT-OF-WAY 30' ON EACH SIDE OF THE
FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT ON THE NORTH LINE OF THE NE 1/4
NW 1/4 OF SECTION 11, T5S, R8W, U.S.B.&M., WHICH BEARS
S89°42'29"E 2279.66' FROM THE NORTHWEST CORNER OF SAID
SECTION 11, THENCE S28°47'08"W 106.22'; THENCE S07°38'13"W
191.27'; THENCE S08°15'36"E 231.94'; THENCE S45°15'39"E
88.63'; THENCE S52°53'57"E 167.62'; THENCE S28°22'30"E
162.08'; THENCE S47°07'24"E 166.92' TO A POINT ON THE
EAST LINE OF THE NE 1/4 NW 1/4 OF SAID SECTION 11,
WHICH BEARS S70°16'52"E 2796.37' FROM THE NORTHWEST
CORNER OF SAID SECTION 11. THE SIDE LINES OF SAID
DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED
TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF
BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 1.535 ACRES
MORE OR LESS.

16



DAMAGE AREA DESCRIPTION

BEGINNING AT A POINT IN THE NW 1/4 NW 1/4 OF SECTION 27, T4S, R6W, U.S.B.&M., WHICH BEARS S52°07'36"E 1252.80' FROM THE NORTHWEST CORNER OF SAID SECTION 27, THENCE S15°51'01"W 244.89'; THENCE N74°08'59"W 260.00'; THENCE N42°55'53"W 192.94'; THENCE N15°51'01"E 220.00'; THENCE S74°08'59"E 425.00'; THENCE S15°51'01"W 75.11' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 2.933 ACRES MORE OR LESS.

CORRIDOR RIGHT-OF-WAY DESCRIPTION ON STATE DWL LANDS

A 60' WIDE RIGHT-OF-WAY 30' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 NW 1/4 OF SECTION 27, T4S, R6W, U.S.B.&M., WHICH BEARS S52°07'36"E 1252.80' FROM THE NORTHWEST CORNER OF SAID SECTION 27, THENCE S60°05'40"E 35.50'; THENCE S48°52'28"E 111.39'; THENCE S40°23'32"W 242.79'; THENCE S37°26'55"W 87.19'; THENCE S44°28'32"W 111.38'; THENCE S48°35'08"W 101.31'; THENCE S36°35'38"W 96.11'; THENCE S21°44'00"W 110.27'; THENCE S36°46'21"W 167.98'; THENCE S55°08'45"W 256.59'; THENCE S62°08'55"W 139.72'; THENCE S33°03'15"W 103.05'; THENCE S03°50'02"E 272.06'; THENCE S15°55'19"W 96.39'; THENCE S54°08'52"W 173.39' TO A POINT ON THE WEST LINE OF THE SW 1/4 NW 1/4 OF SAID SECTION 27, WHICH BEARS N00°00'27"W 293.96' FROM THE WEST 1/4 CORNER OF SAID SECTION 27. ALSO, BEGINNING AT A POINT ON THE WEST LINE OF THE SW 1/4 SW 1/4 OF SAID SECTION 27, WHICH BEARS N00°09'05"E 1196.64' FROM THE SOUTHWEST CORNER OF SAID SECTION 27, THENCE S45°25'30"E 175.50'; THENCE S30°32'40"E 19.16'; THENCE S02°28'41"E 203.32'; THENCE S03°02'22"W 280.14'; THENCE S09°12'39"E 151.92'; THENCE S22°41'23"E 162.87'; THENCE S25°29'25"E 304.12' TO A POINT ON THE SOUTH LINE OF THE SW 1/4 SW 1/4 OF SAID SECTION 27, WHICH BEARS S89°53'25"E 349.88' FROM THE SOUTHWEST CORNER OF SAID SECTION 27, THENCE S24°34'48"E 428.04'; THENCE S11°47'49"E 181.81'; THENCE S09°07'52"W 250.11'; THENCE S25°51'09"W 161.36'; THENCE S39°40'06"W 290.46'; THENCE S25°18'25"W 117.25'; THENCE S14°44'53"E 142.03'; THENCE S17°25'19"W 88.96'; THENCE S07°39'52"W 113.90'; THENCE S28°43'36"W 161.06'; THENCE S06°31'04"W 145.80'; THENCE S19°12'23"E 114.64'; THENCE S39°21'44"E 86.47'; THENCE S33°34'56"E 154.55'; THENCE S13°16'12"E 130.50'; THENCE S18°59'37"E 220.60'; THENCE S36°17'58"E 159.57'; THENCE S18°58'16"E 92.28'; THENCE S05°34'49"E 252.32'; THENCE S14°52'04"E 316.30'; THENCE S12°29'16"E 211.33'; THENCE S09°27'13"E 180.19'; THENCE S10°07'42"E 302.85'; THENCE S00°04'23"W 199.08'; THENCE S22°32'19"W 182.06'; THENCE S01°24'58"E 146.70'; THENCE S44°53'04"E 83.53'; THENCE S54°44'49"E 128.32'; THENCE S49°14'41"E 113.99'; THENCE S40°53'56"E 128.42'; THENCE S52°18'31"E 128.00'; THENCE S53°06'41"E 238.26'; THENCE S42°16'27"E 127.61'; THENCE S21°51'58"E 114.15' TO A POINT ON THE SOUTH LINE OF THE SE 1/4 SW 1/4 OF SECTION 34, T4S, R6W, U.S.B.&M., WHICH BEARS N89°53'53"W 1134.77' FROM THE SOUTH 1/4 CORNER OF SAID SECTION 34, THENCE S15°46'38"E 158.00'; THENCE S25°29'07"E 237.76'; THENCE S07°11'02"E 88.00'; THENCE S13°06'54"W 204.84'; THENCE S04°51'14"W 275.62'; THENCE S04°55'49"W 170.77'; THENCE S21°59'21"W 174.39'; THENCE S15°08'23"W 224.58'; THENCE S17°12'38"W 273.13'; THENCE S00°19'28"W 133.13'; THENCE S02°49'18"E 171.06'; THENCE S11°00'21"W 183.90'; THENCE S25°58'07"E 103.35'; THENCE S62°28'38"E 196.29'; THENCE S47°58'21"E 69.32'; THENCE S30°16'47"E 198.60'; THENCE S30°52'26"E 148.98'; THENCE S19°07'21"E 152.88'; THENCE S11°08'10"E 123.15'; THENCE S17°17'39"E 323.38'; THENCE S12°29'05"E 122.43'; THENCE S06°28'07"E 126.56'; THENCE S36°21'54"E 85.95'; THENCE S03°31'25"W 80.85'; THENCE S13°59'39"W 189.07'; THENCE S26°18'58"W 141.67'; THENCE S17°43'44"W 91.94'; THENCE S29°11'54"W 103.04'; THENCE S03°47'44"W 118.15'; THENCE S01°26'43"E 136.33'; THENCE S04°43'44"W 145.50'; THENCE S01°05'18"W 227.21' TO A POINT IN THE SW 1/4 SW 1/4 OF SECTION 3, T5S, R6W, U.S.B.&M., WHICH BEARS N67°56'38"E 957.26' FROM THE SOUTHWEST CORNER OF SAID SECTION 3. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 9.969 ACRES MORE OR LESS.

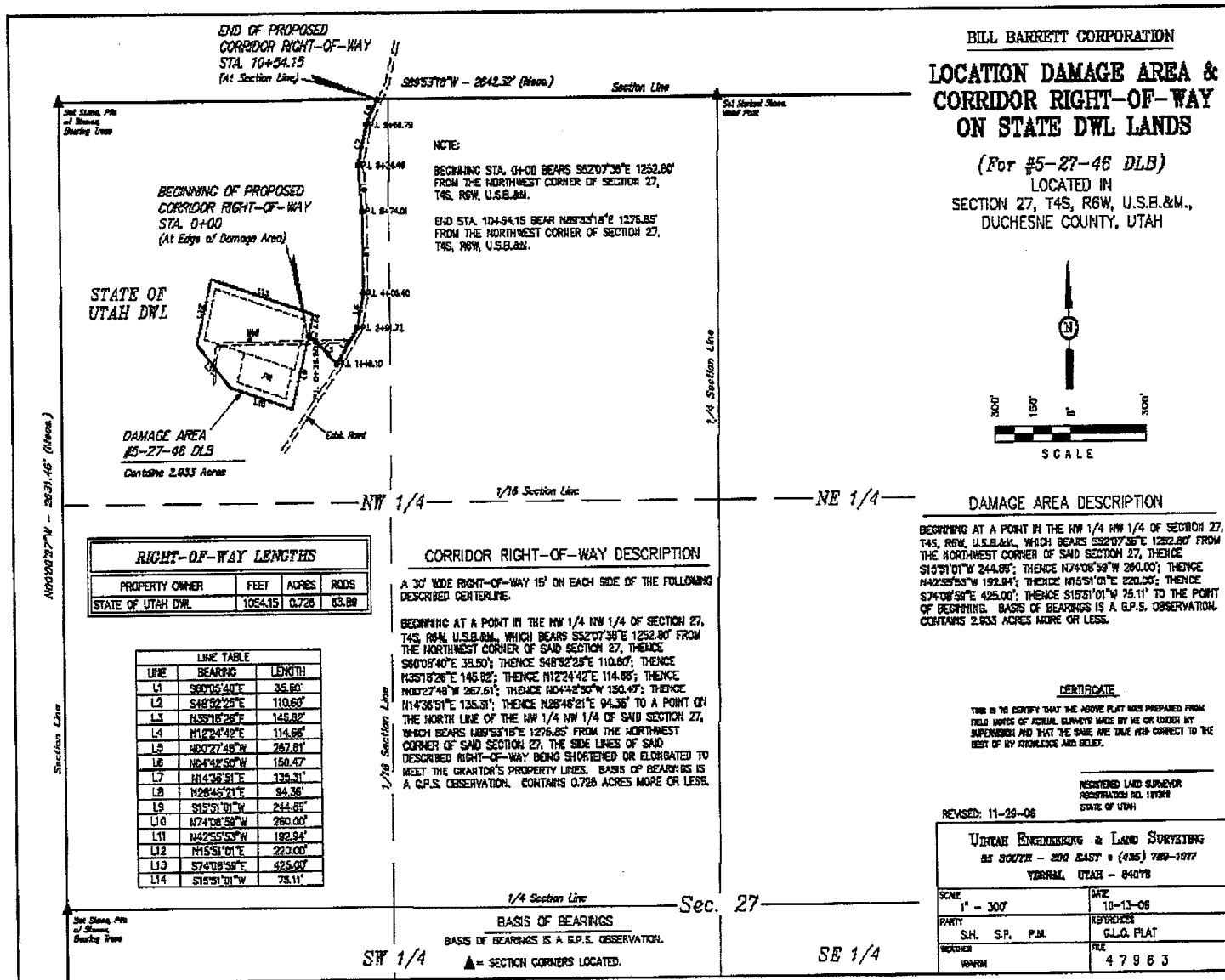


EXHIBIT B-5

70 1023

EXHIBIT B-5.a

CORRIDOR RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 NW 1/4 OF SECTION 27, T4S, R6W, U.S.B.&M., WHICH BEARS S52°07'36"E 1252.80' FROM THE NORTHWEST CORNER OF SAID SECTION 27, THENCE S60°05'40"E 35.50'; THENCE S48°52'25"E 110.60'; THENCE N35°18'26"E 145.62'; THENCE N12°24'42"E 114.68'; THENCE N00°27'48"W 267.61'; THENCE N04°42'50"W 150.47'; THENCE N14°36'51"E 135.31'; THENCE N28°46'21"E 94.36' TO A POINT ON THE NORTH LINE OF THE NW 1/4 NW 1/4 OF SAID SECTION 27, WHICH BEARS N89°53'18"E 1276.85' FROM THE NORTHWEST CORNER OF SAID SECTION 27. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.726 ACRES MORE OR LESS.

DAMAGE AREA DESCRIPTION

BEGINNING AT A POINT IN THE NW 1/4 NW 1/4 OF SECTION 27, T4S, R6W, U.S.B.&M., WHICH BEARS S52°07'36"E 1252.80' FROM THE NORTHWEST CORNER OF SAID SECTION 27, THENCE S15°51'01"W 244.89'; THENCE N74°08'59"W 260.00'; THENCE N42°55'53"W 192.94'; THENCE N15°51'01"E 220.00'; THENCE S74°08'59"E 425.00'; THENCE S15°51'01"W 75.11' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 2.933 ACRES MORE OR LESS.

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EXHIBIT C

Surface Use Plan for Bill Barrett Corporation's Development Program Lake Canyon Area Duchesne County, Utah

1. Existing Roads:

The Lake Canyon Area is located approximately 12 miles Southwest of Duchesne, Utah and extends from Township 3 South, Range 10 West to Township 5 South, Range 4 West. The specific location of a particular well pad will be shown on maps and described in the site specific APD.

The use of Skitzzy Road is necessary to access the area. Improvements to Skitzzy Road and other existing access roads will be noted in the site specific APD's.

2. Planned Access Roads:

Descriptions of new access road(s) will be included in the site specific APD.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance with the UDWR.

3. Location of Tank Batteries, Production Facilities, and Production Gathering and Service Lines:

The following guidelines will apply if the well is productive:

All permanent (on site for six (6) months or longer) structures constructed or installed will conform to DOGM standards. All facilities will be painted within six months of installation.

A containment dike will be constructed completely around production facilities which contain fluids (i.e., production tanks, produced water tanks). This dike will be constructed of compacted subsoil, be impervious to fluids, and hold a minimum of 110% of the capacity of the largest tank. Topsoil will not be used for the construction of dike(s).

A description of the proposed pipeline and a map illustrating the proposed route will be submitted with the well site specific APD.

4. **Location and Type of Water Supply**

The Duchesne City Culinary Water Dock located in section 1, T4S-R5W will be used for water supply for drilling and completion operations. Additional water supply sources will be addressed in the site specific APD, indicating the location and type of water supply.

5. **Source of Construction Materials:**

All construction materials for this location site and access road shall be borrowed (local) material accumulated during construction of the location site and access road. No construction materials will be removed from DWR lands. If any gravel is used, it will be obtained from an approved gravel pit.

6. **Methods of Handling Waste Materials:**

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including any salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be used at the next drill site or will be removed and disposed of at an approved waste disposal facility within 180 days after drilling is terminated. Immediately upon well completion, any hydrocarbons in the pit shall be removed.

Unless otherwise specified in the site specific APD, the reserve pit will be constructed on the location and will not be located within natural drainages, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not allow discharge of liquids.

If it is determined, at the onsite, that a pit liner is necessary, the reserve pit will be lined with a synthetic reinforced liner a minimum of 12-millimeters thick. The liner will overlay a felt-liner pad if rock that might tear or puncture the liner is encountered during excavation. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. Trash, scrap pipe, etc. that could puncture the liner will not be disposed of in the pit. Pit walls will be sloped no greater than 2:1. A minimum 2-foot freeboard will be maintained in the pit at all times during the drilling and completion operations. The pit liner will be protected during drilling and completion operations.

Production fluids will be contained in leak-proof tanks. All production fluids will be sold, recycled, or disposed of at approved disposal sites.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical self-contained sanitary-toilet will be onsite during drilling and completions.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. Trash will not be burned on location.

All debris and other waste materials not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The reserve pit fencing will be on three sides before drilling operations start. The fourth side will be fenced as soon as drilling is completed and the rig is removed. The fencing will be maintained until such time as the pits are backfilled.

7. Ancillary Facilities:

Garbage containers and portable toilets are the only ancillary facilities proposed. No additional ancillary facilities are foreseen in the future.

8. Wellsite Layout:

A Location Layout Diagram describing drill pad cross-sections, cuts and fills, and locations of mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and the surface materials stockpile(s) will be included with the site specific APD and developed through a consultant.

9. Plans for Restoration of the Surface:

The dirt contractor will be provided with an approved copy of the surface use plan and these Standard Operating Procedures prior to commencing construction activities.

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production. All reclamation standards will be developed between Bill Barrett Corporation (BBC) and UDWR. Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions may include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and the re-establishment of vegetation as specified.

All disturbed areas will be re-contoured to the approximate natural contours.

Any drainage rerouted during the construction activities shall be restored as near as possible to its original line of flow.

Prior to backfilling the reserve pit, the fence surrounding the reserve pit will be removed. The pit liner will be cut off at the water or mud line and disposed of at an approved landfill site. The remaining liner will be torn and perforated after the pit dries and prior to backfilling the reserve pit.

Before any dirt work associated with reserve pit restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations. The reserve pit will be reclaimed within 180 days from the date of well completion, weather permitting, unless it is determined that this location will be utilized to drill additional wells within 1 year of completing operations.

After the reserve pit has been reclaimed, diversion ditches and water bars will be used to divert precipitation runoff/runoff as appropriate.

Prior to the construction of the location, the top 6 inches or maximum available topsoil material will be stripped and stockpiled. Placement of the topsoil will be noted on the location plat attached to the site specific APD. Topsoil shall be stockpiled separately from subsoil materials. Topsoil salvaged from the reserve pit shall be stockpiled separately near the reserve pit. When all drilling and completion activities have been completed, the unused portion of the location (area outside the deadmen) will be recontoured and the stockpiled topsoil spread over the area.

If topsoil must be stored for more than one year:

It shall be windrowed on the uphill side of the location to prevent any possible contamination. All topsoil will be stockpiled for reclamation in such a way as to prevent soil loss and contamination.

It shall be broadcast seeded with the prescribed seed mixture immediately after windrowing. Seed will be drilled on the contour to an appropriate depth and the stockpile then "walked" with a dozer to cover the seed and roughen the soil to prevent erosion.

Mulching may be considered to enhance the re-establishment of desired native plant communities. If straw or hay mulch is used, the straw and hay must be certified to be weed-free and the documentation submitted prior to usage.

When restoration activities have been completed, the location site and new access road cuts and shoulders shall be reseeded. Prior to reseeding, all disturbed areas, including the old access road will be scarified and left with a rough surface.

UDWR shall be contacted for the required seed mixture. Seed will be drilled on the contour to an appropriate depth. If broadcast seeded, the amount of seed mixture per acre will be doubled, and a harrow or some other implement will be dragged over the seeded area to assure coverage of the seeds.

At final abandonment, BBC will follow UT-DOGM standards for final well abandonment.

10. Other Information:

The operator is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished to the BBC field representative to ensure compliance.

The operator will control noxious weeds along applied access road authorizations, pipeline route authorizations, well sites or other applicable facilities

Wells drilled during the fire season (June – October) all appropriate precautions shall be instituted to ensure that fire hazard is minimized, including, but not limited to, controlling vegetation and keeping fire fighting equipment readily available during all drilling and completion operations.

Drilling rigs and/or equipment used during drilling operations on locations will not be stacked or stored on UDWR administered lands after the conclusion of drilling operations or at any other time without permission by the UDWR. If UDWR permission is obtained, such storage will only be temporary measure.

Travel will be restricted to approved travel routes.

11. **Bill Barrett Corporation and UDWR Contacts:**

BBC REPRESENTATIVES:

REED HADDOCK, REGULATORY AND PERMITTING; PHONE: (303) 312-8546
 SCOT DONATO, ENVIRONMENTAL HEALTH AND SAFETY; PHONE: (303) 312-8191
 MONTY SHED, FIELD OPERATIONS; PHONE: (307) 262-1511

UDWR REPRESENTATIVES:

BEN WILLIAMS, UDWR, WILDLIFE RESOURCES; PHONE: (435) 781-5357
 BILL JAMES, UDWR, WILDLIFE RESOURCES, MANAGER; PHONE: (801) 538-4745

Exhibit D
Field Reclamation Bond

Bond Number LPM8874728

Right-of-Way Bond

KNOW ALL MEN BY THESE PRESENTS, That We Bill Barrett Corporation
of Denver, CO
hereinafter referred to as the Principal, and Fidelity and Deposit Company of Maryland
a corporation organized and existing under the laws of the State of Maryland
and authorized to do business in the State of Utah as Surety, are held and firmly
bound unto State of Utah, Department of Natural Resources, Division of Wildlife
Resources, 159 W. North Temple, Ste 2110, SLC, UT

herein after referred to as Obligor, in the sum of One Hundred Thousand and no/100 Dollars (\$100,000)
lawful money of the United States of America, to the payment of which sum, well and truly to be made, we
bind ourselves, our executors, administrators, successors and assigns, firmly by these presents.

WHEREAS, the Principal has applied for a license or permit for Right of Way No. DUC 0610 EA070 for the
term beginning the 26th day of January, 2007 and ending the 26th day of January, 2008 to cover the term of said
License or Permit.

NOW, THEREFORE, if said Principal shall faithfully perform all the duties of right-of-way according to the
requirements of the ordinance of said Obligor and protect
said Obligor from any damage as heretofore stated, then
this obligation shall be null and void; otherwise to remain in full force and effect.

THIS BOND WILL continue in force until January 26, 2008, or until the expiration date of any Continuation
certificate signed by Principal and Surety. The surety may at any time terminate its liability by giving thirty
(30) days written notice to the Obligor, and the surety shall not be liable for any default after such thirty-day
notice period, except for defaults occurring prior thereto.

SIGNED, SEALED and DATED this 26th day of January, 2007.

Bill Barrett Corporation

Principal

By: Lynn Boone Henry
Lynn Boone Henry, Vice President-Planning & Reserves

Fidelity and Deposit Company of Maryland

Surety

By: James M. Forrest
James M. Forrest, Attorney-in-Fact

**Power of Attorney
FIDELITY AND DEPOSIT COMPANY OF MARYLAND
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY**

KNOW ALL MEN BY THESE PRESENTS: That the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, and the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, corporations of the State of Maryland, by WILLIAM J. MILLS, Vice President, and GREGORY E. MURRAY, Assistant Secretary, in pursuance of authority granted by Article VI, Section 2, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, does hereby nominate, designate and appoint W. C. COHEN, JR., Scott T. POST, Richard K. STONE, Bret S. BURTON, Jann M. FORREST, Sandra J. SHRYACK, Tim H. HEFFEL and Erica M. PLUMMER, all of Wichita, Kansas, to act in and for said Companies in fact, to make, execute, seal and deliver, for, and on its behalf as aforesaid, and as its act and deed, any and all bonds and undertakings, and the execution of such bonds or undertakings in pursuance of the aforesaid shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the Company at its office in Baltimore, Md., in their own proper persons. This power of attorney revokes that issued on behalf of W. C. COHEN, JR., Scott T. POST, Richard K. STONE, Bret S. BURTON, Jann M. FORREST, Sandra J. SHRYACK, Emily R. TERHUNE, Tim H. HEFFEL, Erica M. PLUMMER, dated November 2, 2004.

The said Assistant Secretary does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article VI, Section 2, of the By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President and Assistant Secretary have hereunto subscribed their names and affixed the Corporate Seals of the said FIDELITY AND DEPOSIT COMPANY OF MARYLAND, and the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, this 22nd day of June, A.D. 2005.

ATTEST:

**FIDELITY AND DEPOSIT COMPANY OF MARYLAND
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY**



Gregory E. Murray By: *William J. Mills*
Gregory E. Murray Assistant Secretary William J. Mills Vice President

State of Maryland }
City of Baltimore }

On this 22nd day of June, A.D. 2005, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, came WILLIAM J. MILLS, Vice President, and GREGORY E. MURRAY, Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, and the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and they each acknowledged the execution of the same, and being by me duly sworn, severally and each for himself deposed and said, that they are the said officers of the Companies aforesaid, and that the seals affixed to the preceding instrument is the Corporate Seals of said Companies, and that the said Corporate Seals and their signatures as such officers were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.



Maria D. Adamski
Maria D. Adamski Notary Public
My Commission Expires: July 8, 2007

HAZARDOUS MATERIAL DECLARATION

WELL NO. # 5-27-46 DLB - LEASE NO. BIA 14-20-H62-5500

Bill Barrett Corporation guarantees that during the drilling and completion of the above referenced well, we will not use, produce, or store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Super Amendments and Reauthorization Act (SARA) of 1986.

Bill Barrett Corporation guarantees that during the drilling and completion of the above referenced well, we will use, produce, store, transport, or dispose less than the threshold planning quantity (TPQ) of any extremely hazardous substances as defined in 40 CFR 355.

DRILLING PLAN

BILL BARRETT CORPORATION
5-27-46 DLB
NWNW, 781' FNL & 752' FWL, Section 27-T4S-R6W
Duchesne County, Utah

1 - 3. **Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals**

<u>Formation</u>	<u>Depth</u>
Duchesne River/Uinta	Surface
Green River	3,819'
Douglas Creek	4,621'
Black Shale	5,309'
Castle Peak	5,594'
Wasatch	6,171' *
North Horn	8,117' *
TD	9,117'

***PROSPECTIVE PAY**

The Wasatch and the North Horn are primary objectives for oil/gas.

4. **Casing Program**

<u>Hole Size</u>	<u>SETTING DEPTH (FROM) (TO)</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
12 1/4"	surface	900'	9 5/8"	36#	J or K 55	ST&C	New
7 7/8"	surface	9,117'	5 1/2"	17#	N or I 80	LT&C	New

5. **Cementing Program**

9 5/8" Surface Casing	Approximately 310 sx Halliburton Light Premium with additives mixed at 12.3 ppg (yield = 1.43 ft ³ /sx) circulated to surface with 100% excess
5 1/2" Production Casing	Approximately 190 sx Halliburton Hi-Fill Modified cement with additives mixed at 11.0 ppg (yield = 3.81 ft ³ /sx). Approximately 690 sx Halliburton Light Premium Plus cement with additives mixed at 13.5 ppg (yield = 1.58 ft ³ /sx). Top of cement to be determined by log and sample evaluation; estimated TOC 900'.

6. **Mud Program**

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u> <u>(API filtrate)</u>	<u>Remarks</u>
40' – 900'	8.3 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
900' – TD	8.6 – 10.6	42-52	15 cc or less	KCL Polymer Fluid System

Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.

7. **BOP and Pressure Containment Data**

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 900'	No pressure control required
900' – TD	11" 3000# Ram Type BOP 11" 3000# Annular BOP

- Drilling spool to accommodate choke and kill lines;
- Ancillary and choke manifold to be rated @ 3000 psi;
- Ancillary equipment and choke manifold rated at 3,000#. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;
- The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests.
- BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up to operate most efficiently in this manner.

8. **Auxiliary equipment**

- Upper kelly cock; lower Kelly cock will be installed while drilling
- Inside BOP or stab-in valve (available on rig floor)
- Safety valve(s) and subs to fit all string connections in use
- Mud monitoring will be visually observed

9. **Testing, Logging and Core Programs**

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.

10. **Anticipated Abnormal Pressures or Temperatures**

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4944 psi* and maximum anticipated surface pressure equals approximately 2971 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

Bill Barrett Corporation
Drilling Program
5-27-46 DLB
Duchesne County, Utah

*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

**Maximum surface pressure = A - (0.22 x TD)

11. Location and Type of Water Supply

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W.

12. Drilling Schedule

Location Construction: Approximately May 15, 2007
Spud: Approximately June 1, 2007
Duration: 20 days drilling time
45 days completion time



BILL BARRETT CORPORATION

**1099 18th St., Suite 2300
Denver, CO 80202**

Field: Brundage/Lake Canyon
Geological Basin: Uinta
Well Name: General
Location: Duchesne County, UT

KCL Polymer Drilling Fluid Recommendation

Prepared for: Mr. Dominic Spencer

August 17, 2006

Submitted by:
Isaac Womack, Tech. Prof., Baroid product service line, Halliburton
1125 17th St., Suite 1900
Denver, CO 80202
303.675.4476
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HALLIBURTON
Baroid

DRILLING PROGRAM BRIEFING

Well total depth : 8,500' TMD

		<u>Hole Size</u>	<u>Casing</u>	<u>Length</u>
Casing design :	Surface	12 1/4"	9 5/8"	750'
	Production	7 7/8"	5 1/2"	8500'

***Fluid density :** 8.3 - 9.0 ppg from 0' to 750'
8.6 - 10.0 ppg from 750' to 8500'

NOTE: Data taken from off-set wells in Duchesne County, UT

*The drilling fluid density schedule is intended as a guideline only. Actual drilling fluid densities should be determined by well bore conditions and drilling parameters.

Estimated drilling days : 0' to 750' = 2 days (12 1/4" Hole)
750' to 8,500' = 16days (7 7/8" Hole)

Total = 18 days

Drilling fluid systems : 0' to 750' - Freshwater Spud Mud
750' to 8,500' - KCL Polymer

Solids control equipment : 0' - 8,500'
- Two Shale Shakers
- Desander / Desilter / Degasser
- One High Speed Centrifuge
(if available)

Est. total drilling fluid cost: \$ 17,219.00

DRILLING FLUID PROGRAM SUMMARY

The following drilling fluid systems are proposed for the Brundage Canyon well:

HOLE SIZE (in.)	DRILLING FLUID SYSTEM	FLUID DENSITY (ppg)	INTERVAL LENGTH FROM - TO
12 1/4"	Freshwater spud mud fluid system	8.3 - 9.0	0' to 750'
8 3/4"	KCL Polymer fluid system	8.6 - 10.6	750' to 8,500'

12 1/4" Hole Section (0' to 750' TMD)

A freshwater spud mud drilling fluid system is recommended to drill this interval. Drill out conductor casing shoe with freshwater using additions of AQUAGEL and EZ-MUD to maintain fluid properties, as well as in hi-vi sweeps to facilitate hole cleaning. Pump BARACARB (25/50)/ sawdust sweeps prior to tripping out of the hole. Monitor the drill-string for tight connections. Expect minor to severe lost circulation in this interval. Pump sweeps of saw dust/ BARACARB at 5-10 ppb for minor seepage and sweeps of N-seal at 5 ppb and saw dust at 10 ppb for more severe losses. When total depth (TD) is reached make a wiper trip to the shoe to "clean up" the well bore, a string of 9 5/8" casing will then be set and cemented back to surface.

7 7/8" Hole Section (750' to 8,500' TMD)

After drilling the surface hole section, dump all of the drilling fluid used in the surface interval to the reserve pit. Check reserve pit water to make sure it is acceptable to use for drilling fluid.

Mud up with the following:

.5 lb./bbl N-Vis P

2 lb/bbls ZEOGEL

.5 lb/bbl BARACOR 700 (or phosphates over 1300 ppm (see corrosion program))

3% by volume KCL

Maintain 3% KCL in the reserve pit while drilling this section. (add 3.5 ppb for every 1% increase)

Test for % of KCL

((ml of .282 Silver Nitrate added * 10,000)/3280) = %KCL

*record and report this concentration on each mud report

Add BARACAT to reserve pit to flocculate out solids. This system should have sufficient YP to keep the hole clean while drilling this interval.

Lost Circulation: Should losses occur while drilling the lateral section add BARACARB (5) OR BARACARB (50) to control. (BARACARB can be acidized) Concentrations of BARACARB will be determined by the losses encountered. Expect increased lost circulation with increases in drilling fluid density. Continue to monitor and record all

Brundage Canyon**Duchesne County, Utah**

instances of gas kicks, water flows and lost circulation, adjust mud weight as needed. Sweeps of LUBRA-BEADS may help reduce mechanical torque due to the dog-legs. When lateral has been drilled, circulate the hole clean and run production casing.

Recommended Drilling Fluids Properties							
Drilling Depth (ft)	Fluid Density (lb/gal)	Funnel Viscosity (sec/qt)	API Filtrate (ml)	pH	Plastic Viscosity (cP)	Yield Point (lbs/100ft²)	Low Gravity Solids (% by Vol)
0' – 750'	8.3 - 8.8	26 – 36	NC	7.0- 8.5	0 – 15	0 - 24	< 8
Surface casing: 9 5/8" set at 750' TMD							

- ♦ Spud with freshwater. Circulate through a reserve pit **if possible**.
- ♦ Mix 10.0-ppb AQUAGEL, 1.0 ppb EZ MUD, and 0.5-ppb lime in 50 bbl sweeps to improve well bore cleaning.
- ♦ Mix 1.0 gal. EZ-MUD down drill sting on connections for shale inhibition and optimum drill solids removal by the solids control equipment.
- ♦ Mix sweeps of saw dust/ BARACARB(25/50) at 5-10 ppb for minor seepage and N-seal at 5 ppb and saw dust at 10 ppb for more severe losses.
- ♦ If well bore conditions indicate, mud up to a KCL fluid system as indicated in the production interval.

Drilling Depth (ft)	Fluid Density (lb/gal)	Funnel Viscosity (sec/qt)	API Filtrate (ml)	pH	Plastic Viscosity (cP)	Yield Point (lbs/100ft²)	Low Gravity Solids (% by Vol)
750' – 8,500'	8.6 - 10.6	42 - 52	<20	10.5-12.0	0-15	0-20	< 8
Production casing: 5 1/2" set at 8,500' TMD							

- ♦ Drill out the surface casing shoe with KCL Polymer fluid system.
- ♦ Build initial pH with caustic soda then maintain with lime
- ♦ Additions of 0.5-ppb BARAZAN D can be used to enhance the low end rheology for optimum well bore cleaning and a lower solids drilling fluid.
- ♦ For seepage losses sweep the hole with 10.0-ppb BARACARB (25/50) in sweeps.
- ♦ For more severe losses sweep the hole with 5.0-ppb N-SEAL and 10.0-ppb Saw Dust. If losses can't be controlled, spot an 80.0-ppb HYDRO-PLUG pill across the loss zone(s).
- ♦ Spot pills of LUBRA-BREADS and/or TOURQE-LESS for additional torque and drag reduction as needed in dog-legs.



**Bill Barrett Corporation E-bill
1099 18th Street - Suite 2300
Denver, Colorado 80202**

Brundage Canyon General

Duchesne County, Utah
United States of America

Cementing Recommendation

Prepared for: Dominic Spencer
August 15, 2006
Version: 1

Submitted by:
Pat Kundert
Halliburton Energy Services
1125 17th Street - Suite 1900
Denver, Colorado 80202
+303.886.0839

HALLIBURTON

HALLIBURTON

Job Recommendation

9 5/8" Intermediate

Fluid Instructions

Fluid 1: Water Spacer

Gelled Water Ahead

Fluid Density: 8.33 lbm/gal
Fluid Volume: 20 bbl

Fluid 2: Primary Cement

Premium Plus - Type III

94 lbm/sk Premium Plus - Type III (Cement-api)

0.2 % Versaset (Thixotropic Additive)

2 % Calcium Chloride (Accelerator)

0.25 lbm/sk Flocele (Lost Circulation Additive)

Fluid Weight 14.50 lbm/gal
Slurry Yield: 1.43 ft³/sk
Total Mixing Fluid: 6.89 Gal/sk
Top of Fluid: 0 ft
Calculated Fill: 750 ft
Volume: 66.16 bbl
Calculated Sacks: 259.74 sks
Proposed Sacks: 260 sks

Job Recommendation

5 1/2" Production

Fluid Instructions

Fluid 1: Water Spacer

KCL Water Preflush

Fluid Density: 8.33 lbm/gal

Fluid Volume: 10 bbl

Fluid 2: Lead Cement – (3500 – 750')

Halliburton Hi-Fill Modified

94 lbm/sk Type 5 Cement (Cement)

16 % Bentonite (Light Weight Additive)

0.75 % Econolite (Light Weight Additive)

7.5 lbm/sk Gilsonite (Lost Circulation Additive)

2 lbm/sk Granulite TR 1/4 (Lost Circulation Additive)

3 % Salt (Salt)

0.2 % HR-7 (Retarder)

Fluid Weight 11 lbm/gal

Slurry Yield: 3.81 ft³/sk

Total Mixing Fluid: 23 Gal/sk

Top of Fluid: 750 ft

Calculated Fill: 2750 ft

Volume: 106.07 bbl

Calculated Sacks: 156.32 sks

Proposed Sacks: 160 sks

Fluid 3: Tail Cement – (TD – 3500')

Halliburton Light Premium Plus (Type 5)

3 % KCL (Clay Control)

1 % Econolite (Light Weight Additive)

0.5 % Halad(R)-322 (Low Fluid Loss Control)

0.6 % HR-5 (Retarder)

0.25 lbm/sk Flocele (Lost Circulation Additive)

1 lbm/sk Granulite TR 1/4 (Lost Circulation Additive)

Fluid Weight 13.50 lbm/gal

Slurry Yield: 1.58 ft³/sk

Total Mixing Fluid: 7.77 Gal/sk

Top of Fluid: 3500 ft

Calculated Fill: 6000 ft

Volume: 232.46 bbl

Calculated Sacks: 826.05 sks

Proposed Sacks: 830 sks

Well name:

Brundage / Lake Canyon GeneralOperator: **Bill Barrett Corporation**String type: **Surface**Location: **Duchesne County, UT****Design parameters:****Collapse**

Mud weight: 8.60 ppg

Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.10

Environment:

H2S considered? No

Surface temperature: 70.00 °F

Bottom hole temperature: 79 °F

Temperature gradient: 1.22 °F/100ft

Minimum section length: 750 ft

Burst

Max anticipated surface

pressure: 303 psi

Internal gradient: 0.22 psi/ft

Calculated BHP 468 psi

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.80 (J)

Premium: 1.80 (J)

Body yield: 1.80 (B)

Tension is based on buoyed weight.

Neutral point: 655 ft

Cement top: Surface

Non-directional string.

Re subsequent strings:

Next setting depth: 8,500 ft

Next mud weight: 9.700 ppg

Next setting BHP: 4,283 psi

Fracture mud wt: 12.000 ppg

Fracture depth: 750 ft

Injection pressure 468 psi

No backup mud specified.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	750	9.625	36.00	J-55	ST&C	750	750	8.796	53.4
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	335	2020	6.029	468	3520	7.53	24	394	16.72 J

Prepared Dominic Spencer
by: Bill BarrettPhone: (303) 312-8143
FAX: (303) 312-8195Date: July 21, 2006
Denver, Colorado**Remarks:**

Collapse is based on a vertical depth of 750 ft, a mud weight of 8.6 ppg. The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name: **Brundage / Lake Canyon General**
 Operator: **Bill Barrett Corporation**
 String type: **Production**
 Location: **Duchesne County, UT**

Design parameters:

Collapse

Mud weight: 9.70 ppg

Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Environment:

H2S considered? No
 Surface temperature: 70.00 °F
 Bottom hole temperature: 186 °F
 Temperature gradient: 1.22 °F/100ft
 Minimum section length: 1,500 ft

Burst:

Design factor 1.10

Cement top: 2,000 ft

Burst

Max anticipated surface

pressure: 2,697 psi

Internal gradient: 0.22 psi/ft

Calculated BHP 4,787 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Non-directional string.

Tension is based on buoyed weight.

Neutral point: 8,103 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	9500	5.5	17.00	N-80	LT&C	9500	9500	4.767	327.4
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	4787	6290	1.314	4787	7740	1.62	138	348	2.53 J

Prepared Dominic Spencer
 by: Bill Barrett

Phone: (303) 312-8143
 FAX: (303) 312-8195

Date: August 11, 2006
 Denver, Colorado

Remarks:

Collapse is based on a vertical depth of 9500 ft, a mud weight of 9.7 ppg. The casing is considered to be evacuated for collapse purposes.
 Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

I-80 Performance Property Comparison

Outside Diameter, inch	Weight T & C, lb per ft	Thread Type	I-80 Performance Properties					J-55 Performance Properties					N-80 Performance Properties				
			Collapse, psi	Burst, psi	Tension, 1000 lbs		Maximum Set Depth, feet	Collapse psi	Burst, psi	Tension, 1000 lbs		Maximum Set Depth, feet	Collapse, psi	Burst, psi	Tension, 1000 lbs		Maximum Set Depth, feet
					Pipe Body Yield	Joint Strength				Pipe Body Yield	Joint Strength				Pipe Body Yield	Joint Strength	
4.500	9.50	Short	3900	6380	221	138	6930	3310	4380	152	101	5890	3900	6380	221	143	6930
	10.50	Short	4940	6970	241	173	8780	4010	4790	165	132	7000	4940	6970	241	186	8780
	11.60	Long	6350	7780	267	201	9610	4960	5350	184	162	7760	6350	7780	267	223	10680
5.500	14.00	Short	3620	6210	322	234	6440	3120	4270	222	172	5550	3620	6210	322	243	6440
	15.50	Long	4990	7000	361	282	8870	4040	4810	248	217	7180	4990	7000	361	306	8870
	17.00	Long	6280	7740	397	320	10470	4910	5320	273	247	8060	6280	7740	397	348	11170
7.000	20.00	Short	2740	5440	460	320	4870	2270	3740	316	234	4040	2740	5440	460	331	4870
	23.00	Long	3830	6340	532	428	6810	3270	4360	366	313	5810	3830	6340	532	442	6810
	26.00	Long	5410	7240	604	502	9620	4320	4980	415	367	7680	5410	7240	604	519	9620
8.625	24.00	Short	1430	4290	555	337	2540	1370	2950	381	244	2440	1430	4290	555	346	2540
	28.00	Long	2160	4930	636	478	3840	1880	3390	437	348	3340	2160	4930	636	493	3840
	32.00	Long	3050	5710	732	574	5420	2530	3930	503	417	4500	3050	5710	732	591	5420

I-80 Dimensions, Torques and Hydro-Test Pressures

Outside Diameter, inch	Weight T & C, lb per ft	Thread Type	Dimensions, inch					Make-Up Torque			Hydro- Test Pressure, psi
			Wall Thickness	Inside Diameter	Drift Diameter	Coupling Outside Diameter	Make-up Loss	ft x lbs			
								Optimum	Minimum	Maximum	
4.500	9.50	Short	0.205	4.090	3.965	5.000	2.000	1380	1040	1730	5800
	10.50	Short	0.224	4.052	3.927	5.000	2.625	1790	1340	2240	6400
	11.60	Long	0.250	4.000	3.875	5.000	3.000	2190	1640	2740	7100
5.500	14.00	Short	0.244	5.012	4.887	6.050	2.875	2340	1760	2930	5700
	15.50	Long	0.275	4.950	4.825	6.050	3.500	2950	2210	3690	6400
	17.00	Long	0.304	4.892	4.767	6.050	3.500	3350	2510	4190	7100
7.000	20.00	Short	0.272	6.456	6.331	7.656	3.125	3200	2400	4000	5000
	23.00	Long	0.317	6.366	6.250	7.656	4.000	4280	3210	5350	5800
	26.00	Long	0.362	6.276	6.151	7.656	4.000	5020	3770	6280	6600
8.625	24.00	Short	0.264	8.097	7.972	9.625	3.000	3370	2530	4210	3900
	28.00	Long	0.304	8.017	7.892	9.625	4.500	4780	3590	5980	4500
	32.00	Long	0.352	7.921	7.875	9.625	4.500	5740	4310	7180	5200

1. API Bulletin 5C3, Sixth Edition, October 1994 was used to determine the listed properties.
2. The vertical set depth was computed using a 9.625 lb. per U.S. gallon mud, and safety factors of 1.125, 1.0 and 1.8 respectively, for collapse, burst and tension.
3. Products are available plain end and with IPSCO's premium connects QB1 and QB2.
4. As a service, IPSCO offers casing string designs upon request.

The information and data contained herein are accurate to our knowledge, based upon standard industry calculations. Buyers are encouraged to make their own evaluations of the above derived performance properties for their particular use. The specific warranty applicable to these goods is as contained in IPSCO's Order Acknowledgment, Conditions of Sale.



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Toll Free: 1-800-950-4772

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Toll Free: 1-800-667-1616

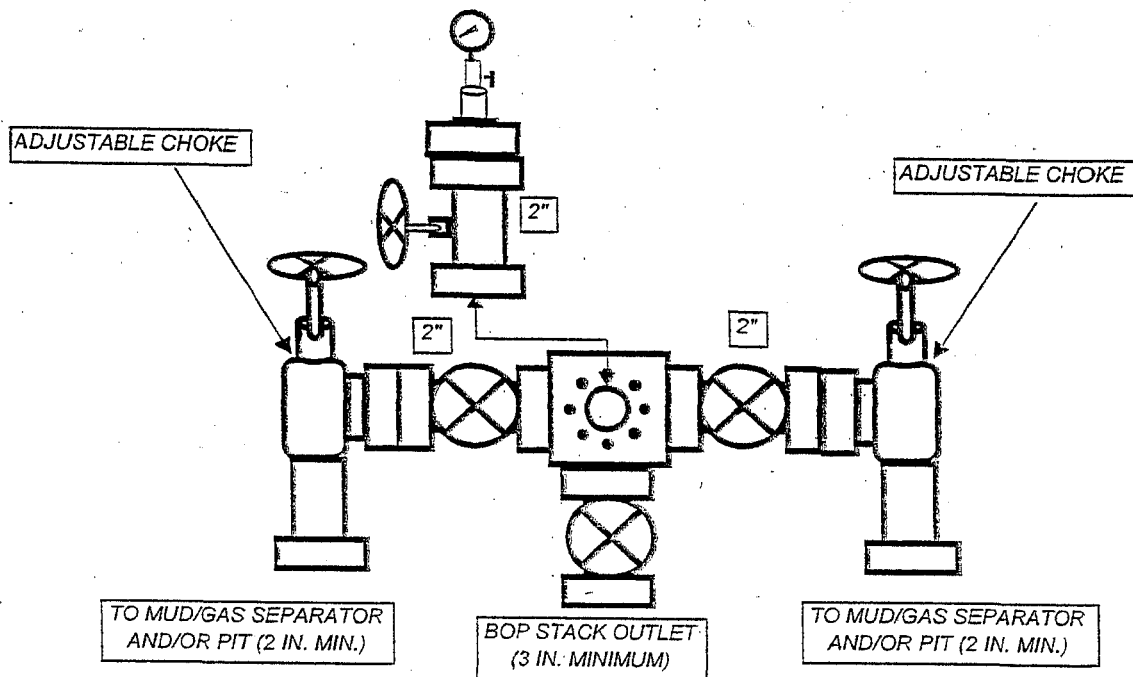
5-27-46 DLB Proposed Cementing Program

<u>Job Recommendation</u>	<u>Surface Casing</u>
Lead Cement - (900' - 0')	
Halliburton Light Premium	Fluid Weight: 12.3 lbm/gal
2.0% Calcium Chloride	Slurry Yield: 1.43 ft ³ /sk
0.25 lbm/sk Ploy-E-Flake	Total Mixing Fluid: 10.6 Gal/sk
	Top of Fluid: 0'
	Calculated Fill: 900'
	Volume: 112.95 bbl
	Proposed Sacks: 310 sks

<u>Job Recommendation</u>	<u>Production Casing</u>
Lead Cement - (4121' - 900')	
Halliburton Hi-Fill Modified	Fluid Weight: 11.0 lbm/gal
16.0% Bentonite	Slurry Yield: 3.81 ft ³ /sk
0.75% Ecpnolite	Total Mixing Fluid: 23.00 Gal/sk
7.5 lbm/sk Gilsonite	Top of Fluid: 900'
2.0 lbm/sk Granulite TR	Calculated Fill: 3,221'
3.0% Salt	Volume: 124.23 bbl
0.2% HR-7	Proposed Sacks: 190 sks
Tail Cement - (9117' - 4121')	
Halliburton Light Premium Plus	Fluid Weight: 13.5 lbm/gal
3.0% KCl	Slurry Yield: 1.58 ft ³ /sk
1.0% Econolite	Total Mixing Fluid: 7.77 Gal/sk
0.5% Halad®-322	Top of Fluid: 4,121'
0.6% HR-5	Calculated Fill: 4,996'
0.25 lbm/sk Flocele	Volume: 192.71 bbl
1.0 lbm/sk Granulite	Proposed Sacks: 690 sks

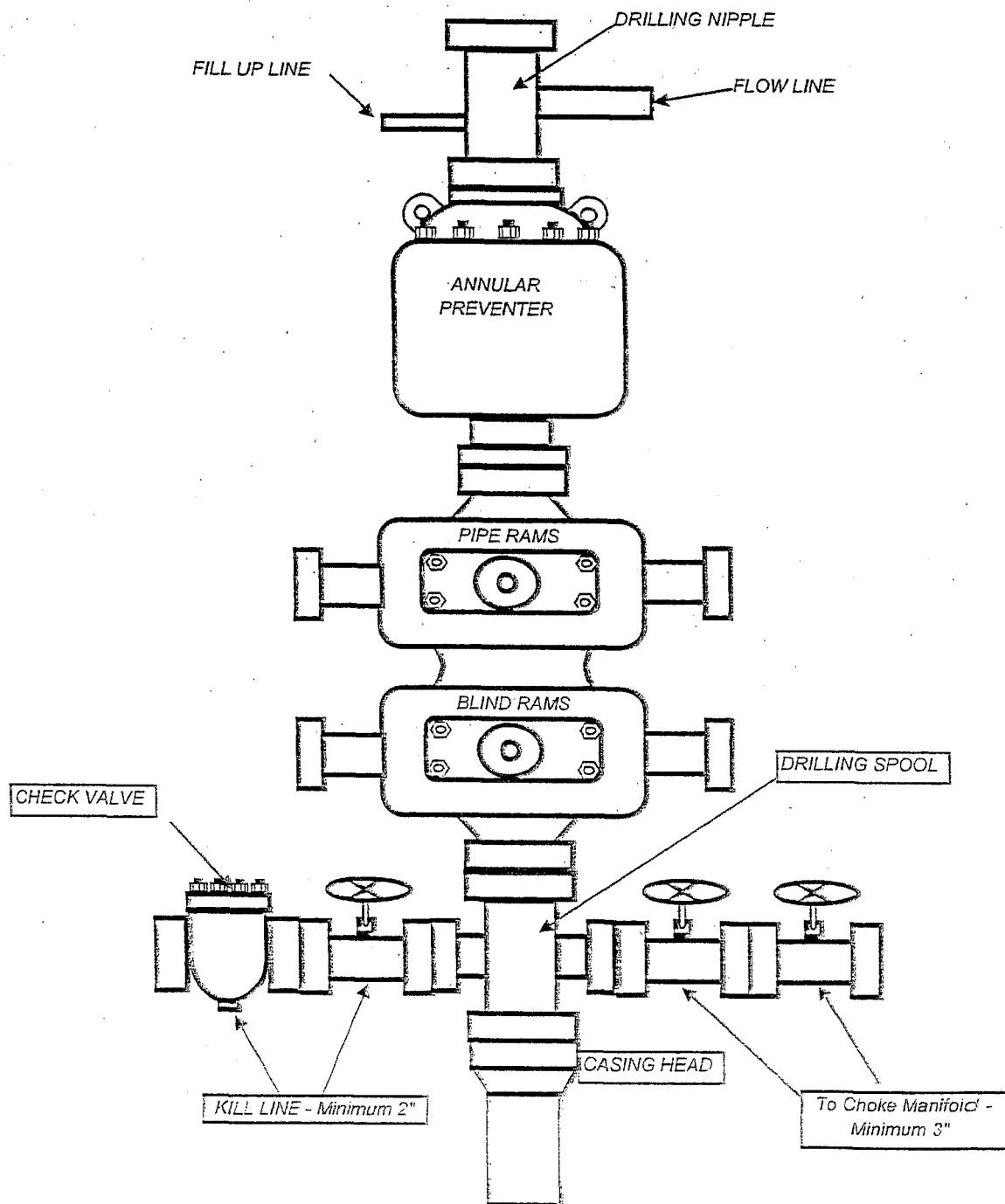
BILL BARRETT CORPORATION

TYPICAL 3,000 p.s.i. CHOKE MANIFOLD



BILL BARRETT CORPORATION

TYPICAL 3,000 p.s.i. BLOWOUT PREVENTER





Weatherford

Drilling Services

Proposal



Bill Barrett Corporation

#5-27-46 DLB

DUCHESNE COUNTY, UTAH

WELL FILE: **PLAN 1**

JANUARY 30, 2007

Weatherford International, Ltd.

15710 JFK Blvd. Ste. 700
Houston, Texas 77032 USA

+1.281.260.1300 Main

+1.281.260.4730 Fax

www.weatherford.com



Bill Barrett Corporation

#5-27-46 DLB
SEC 27 T4S R6W
781' FNL, 752' FWL
DUCHESE COUNTY, UTAH

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	0.00	0.00	185.75	0.00	0.00	0.00	0.00	0.00	0.00	
2	1060.00	0.00	185.75	1060.00	0.00	0.00	0.00	0.00	0.00	KOP
3	1916.95	15.00	185.75	1907.20	-110.95	-11.18	1.75	185.75	111.51	HOLD
4	5641.20	15.00	185.75	5504.60	-1069.79	-107.80	0.00	0.00	1075.20	DROP
5	6640.97	0.00	185.75	6493.00	-1199.23	-120.84	1.50	180.00	1205.30	HOLD
6	9116.97	0.00	185.75	8969.00	-1199.23	-120.84	0.00	185.75	1205.30	PBHL 5-27-46 DLB

SITE DETAILS

#5-27-46 DLB

Site Centre Latitude: 40°06'33.250N
Longitude: 110°33'20.760W

Ground Level: 7167.70
Positional Uncertainty: 0.00
Convergence: 0.60

FORMATION TOP DETAILS

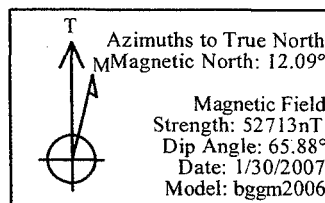
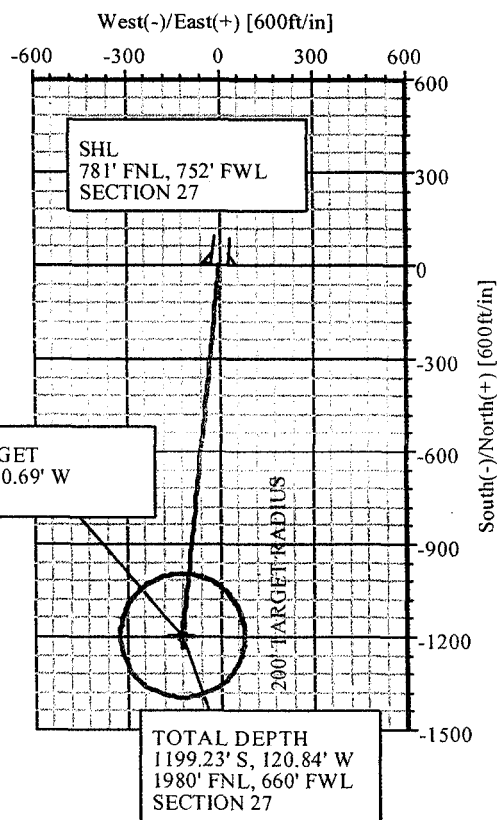
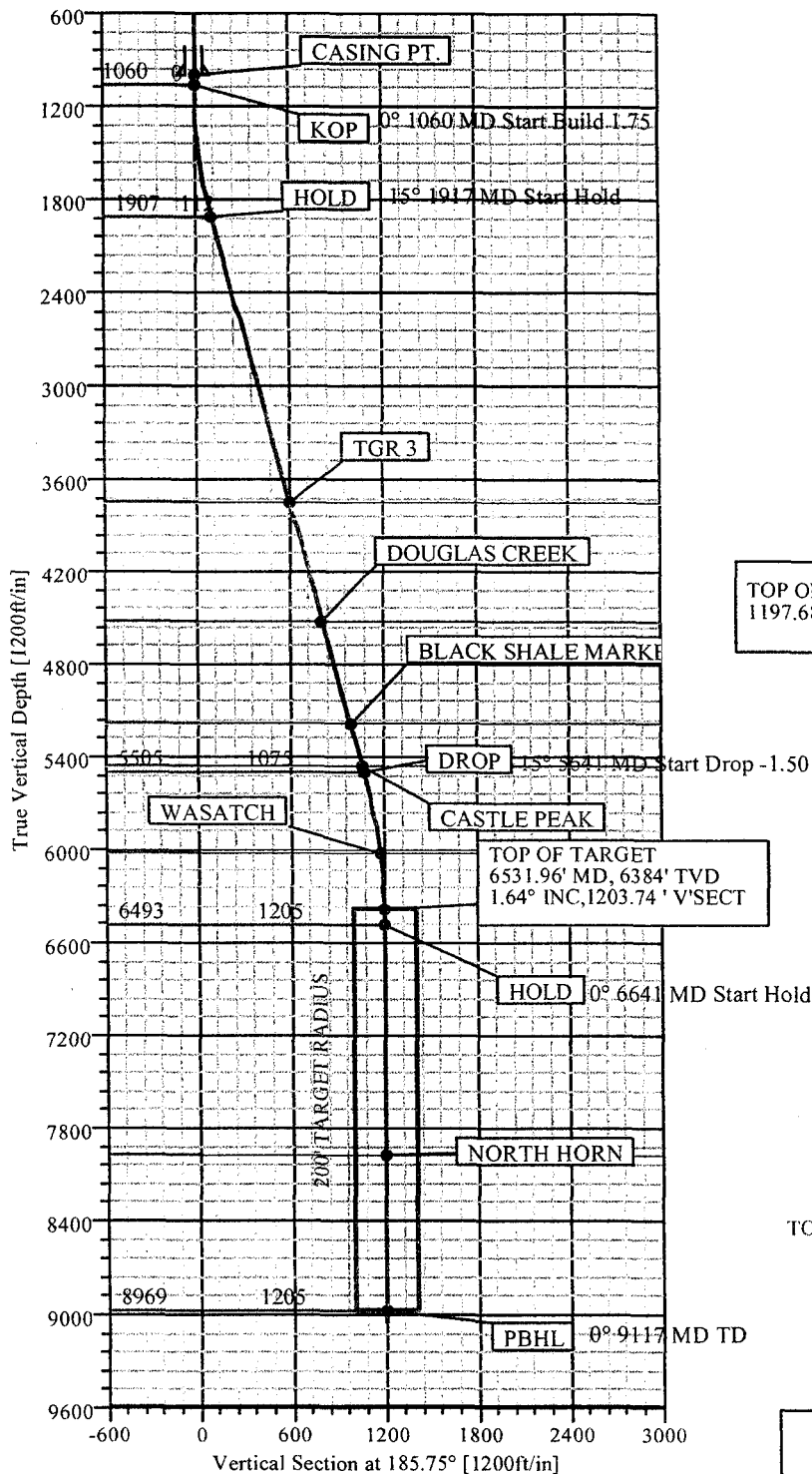
No.	TVDPath	MDPath	Formation
1	3744.00	3818.52	TGR 3
2	4519.00	4620.84	DOUGLAS CREEK
3	5184.00	5309.29	BLACK SHALE MARKER
4	5459.00	5593.99	CASTLE PEAK
5	6024.00	6170.78	WASATCH
6	7969.00	8116.97	NORTH HORN

CASING DETAILS

No.	TVD	MD	Name	Size
1	1000.00	1000.00	CASING PT.	0.000

ASSUMED 15' KB ELEVATION

KB ELEVATION: 7182.7'
GR ELEVATION: 7167.7'



TOTAL CORRECTION TO TRUE NORTH: 12.09°

Weatherford

Plan: Plan #1 (#5-27-46 DLB/1)

Created By: ROBERT H. SCOTT

Date: 1/30/2007

WELL PLAN REPORT

Company: BILL BARRETT CORP				Date: 1/30/2007		Time: 17:59:37		Page: 1		
Field: DUCHESNE COUNTY, UTAH				Co-ordinate(NE) Reference:		Site: #5-27-46 DLB, True North				
Site: #5-27-46 DLB				Vertical (TVD) Reference:		KB 7182.7				
Well: #5-27-46 DLB				Section (VS) Reference:		Well (0.00N,0.00E,185.75Azi)				
Wellpath: 1				Survey Calculation Method:		Minimum Curvature		Db: Sybase		
Plan: Plan #1				Date Composed:		1/30/2007				
Principal: Yes				Version:		1				
				Tied-to:		From Surface				
Field: DUCHESNE COUNTY, UTAH										
Map System:US State Plane Coordinate System 1983				Map Zone:		Utah, Central Zone				
Geo Datum: GRS 1980				Coordinate System:		Site Centre				
Sys Datum: Mean Sea Level				Geomagnetic Model:		bggm2006				
Well: #5-27-46 DLB Slot Name:										
Well Position:		+N/-S	0.00 ft	Northing:		7209921.90 ft		Latitude: 40 6 33.250 N		
		+E/-W	0.00 ft	Easting :		1904509.10 ft		Longitude: 110 33 20.760 W		
Position Uncertainty:		0.00 ft								
Wellpath: 1										
Current Datum:		KB		Height		7182.70 ft		Drilled From: Surface		
Magnetic Data:		1/30/2007						Tie-on Depth: 0.00 ft		
Field Strength:		52713 nT						Above System Datum: Mean Sea Level		
Vertical Section:		Depth From (TVD)						Declination: 12.09 deg		
		ft		+N/-S		ft		Mag Dip Angle: 65.88 deg		
								+E/-W		
								Direction		
								deg		
		0.00		0.00		0.00		185.75		
Site: #5-27-46 DLB										
Site Position:				Northing:		7209921.90 ft		Latitude: 40 6 33.250 N		
From: Geographic				Easting:		1904509.10 ft		Longitude: 110 33 20.760 W		
Position Uncertainty:		0.00 ft						North Reference: True		
Ground Level:		7167.70 ft						Grid Convergence: 0.60 deg		
Plan Section Information										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	185.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1060.00	0.00	185.75	1060.00	0.00	0.00	0.00	0.00	0.00	0.00	
1916.95	15.00	185.75	1907.20	-110.95	-11.18	1.75	1.75	0.00	185.75	
5641.20	15.00	185.75	5504.60	-1069.79	-107.80	0.00	0.00	0.00	0.00	
6640.97	0.00	185.75	6493.00	-1199.23	-120.84	1.50	-1.50	0.00	180.00	
9116.97	0.00	185.75	8969.00	-1199.23	-120.84	0.00	0.00	0.00	185.75	PBHL 5-27-46 DLB
Survey										
MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
1060.00	0.00	185.75	1060.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP
1160.00	1.75	185.75	1159.98	-1.52	-0.15	1.53	1.75	1.75	0.00	
1260.00	3.50	185.75	1259.88	-6.08	-0.61	6.11	1.75	1.75	0.00	
1360.00	5.25	185.75	1359.58	-13.67	-1.38	13.73	1.75	1.75	0.00	
1460.00	7.00	185.75	1459.01	-24.28	-2.45	24.40	1.75	1.75	0.00	
1560.00	8.75	185.75	1558.06	-37.91	-3.82	38.10	1.75	1.75	0.00	
1660.00	10.50	185.75	1656.65	-54.55	-5.50	54.82	1.75	1.75	0.00	
1760.00	12.25	185.75	1754.68	-74.17	-7.47	74.55	1.75	1.75	0.00	
1860.00	14.00	185.75	1852.06	-96.76	-9.75	97.25	1.75	1.75	0.00	
1916.95	15.00	185.75	1907.20	-110.95	-11.18	111.51	1.75	1.75	0.00	HOLD

WEATHERFORD DRILLING SERVICES

WELL PLAN REPORT

Company: BILL BARRETT CORP
Field: DUCHESNE COUNTY, UTAH
Site: #5-27-46 DLB
Well: #5-27-46 DLB
Wellpath: 1

Date: 1/30/2007 Time: 17:59:37 Page: 2
Co-ordinate(NE) Reference: Site: #5-27-46 DLB, True North
Vertical (TVD) Reference: KB 7182.7
Section (VS) Reference: Well (0.00N,0.00E,185.75Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
2460.00	15.00	185.75	2431.75	-250.76	-25.27	252.03	0.00	0.00	0.00	
2560.00	15.00	185.75	2528.35	-276.51	-27.86	277.91	0.00	0.00	0.00	
2660.00	15.00	185.75	2624.94	-302.25	-30.46	303.78	0.00	0.00	0.00	
2760.00	15.00	185.75	2721.54	-328.00	-33.05	329.66	0.00	0.00	0.00	
2860.00	15.00	185.75	2818.13	-353.74	-35.65	355.54	0.00	0.00	0.00	
2960.00	15.00	185.75	2914.72	-379.49	-38.24	381.41	0.00	0.00	0.00	
3060.00	15.00	185.75	3011.32	-405.24	-40.84	407.29	0.00	0.00	0.00	
3160.00	15.00	185.75	3107.91	-430.98	-43.43	433.16	0.00	0.00	0.00	
3260.00	15.00	185.75	3204.51	-456.73	-46.02	459.04	0.00	0.00	0.00	
3360.00	15.00	185.75	3301.10	-482.47	-48.62	484.92	0.00	0.00	0.00	
3460.00	15.00	185.75	3397.69	-508.22	-51.21	510.79	0.00	0.00	0.00	
3560.00	15.00	185.75	3494.29	-533.97	-53.81	536.67	0.00	0.00	0.00	
3660.00	15.00	185.75	3590.88	-559.71	-56.40	562.55	0.00	0.00	0.00	
3760.00	15.00	185.75	3687.48	-585.46	-59.00	588.42	0.00	0.00	0.00	
3818.52	15.00	185.75	3744.00	-600.52	-60.51	603.56	0.00	0.00	0.00	TGR 3
3860.00	15.00	185.75	3784.07	-611.20	-61.59	614.30	0.00	0.00	0.00	
3960.00	15.00	185.75	3880.66	-636.95	-64.18	640.17	0.00	0.00	0.00	
4060.00	15.00	185.75	3977.26	-662.69	-66.78	666.05	0.00	0.00	0.00	
4160.00	15.00	185.75	4073.85	-688.44	-69.37	691.93	0.00	0.00	0.00	
4260.00	15.00	185.75	4170.45	-714.19	-71.97	717.80	0.00	0.00	0.00	
4360.00	15.00	185.75	4267.04	-739.93	-74.56	743.68	0.00	0.00	0.00	
4460.00	15.00	185.75	4363.64	-765.68	-77.16	769.56	0.00	0.00	0.00	
4560.00	15.00	185.75	4460.23	-791.42	-79.75	795.43	0.00	0.00	0.00	
4620.84	15.00	185.75	4519.00	-807.09	-81.33	811.18	0.00	0.00	0.00	DOUGLAS CREEK
4660.00	15.00	185.75	4556.82	-817.17	-82.35	821.31	0.00	0.00	0.00	
4760.00	15.00	185.75	4653.42	-842.92	-84.94	847.18	0.00	0.00	0.00	
4860.00	15.00	185.75	4750.01	-868.66	-87.53	873.06	0.00	0.00	0.00	
4960.00	15.00	185.75	4846.61	-894.41	-90.13	898.94	0.00	0.00	0.00	
5060.00	15.00	185.75	4943.20	-920.15	-92.72	924.81	0.00	0.00	0.00	
5160.00	15.00	185.75	5039.79	-945.90	-95.32	950.69	0.00	0.00	0.00	
5260.00	15.00	185.75	5136.39	-971.64	-97.91	976.57	0.00	0.00	0.00	
5309.29	15.00	185.75	5184.00	-984.33	-99.19	989.32	0.00	0.00	0.00	BLACK SHALE MAR
5360.00	15.00	185.75	5232.98	-997.39	-100.51	1002.44	0.00	0.00	0.00	
5460.00	15.00	185.75	5329.58	-1023.14	-103.10	1028.32	0.00	0.00	0.00	
5560.00	15.00	185.75	5426.17	-1048.88	-105.69	1054.19	0.00	0.00	0.00	
5593.99	15.00	185.75	5459.00	-1057.63	-106.58	1062.99	0.00	0.00	0.00	CASTLE PEAK
5641.20	15.00	185.75	5504.60	-1069.79	-107.80	1075.20	0.00	0.00	0.00	DROP
5660.00	14.71	185.75	5522.78	-1074.58	-108.28	1080.03	1.50	-1.50	0.00	
5760.00	13.21	185.75	5619.82	-1098.59	-110.70	1104.16	1.50	-1.50	0.00	
5860.00	11.71	185.75	5717.46	-1120.07	-112.87	1125.74	1.50	-1.50	0.00	
5960.00	10.21	185.75	5815.63	-1138.99	-114.78	1144.76	1.50	-1.50	0.00	
6060.00	8.71	185.75	5914.27	-1155.35	-116.42	1161.20	1.50	-1.50	0.00	
6160.00	7.21	185.75	6013.30	-1169.14	-117.81	1175.06	1.50	-1.50	0.00	
6170.78	7.05	185.75	6024.00	-1170.47	-117.95	1176.40	1.50	-1.50	0.00	WASATCH
6260.00	5.71	185.75	6112.66	-1180.34	-118.94	1186.32	1.50	-1.50	0.00	
6360.00	4.21	185.75	6212.28	-1188.95	-119.81	1194.97	1.50	-1.50	0.00	
6460.00	2.71	185.75	6312.10	-1194.96	-120.42	1201.01	1.50	-1.50	0.00	
6531.96	1.64	185.75	6384.00	-1197.68	-120.69	1203.74	1.50	-1.50	0.00	TOP OF TGT
6560.00	1.21	185.75	6412.03	-1198.37	-120.76	1204.44	1.50	-1.50	0.00	
6640.97	0.00	185.75	6493.00	-1199.23	-120.84	1205.30	1.50	-1.50	0.00	HOLD
6660.00	0.00	185.75	6512.03	-1199.23	-120.84	1205.30	0.00	0.00	0.00	
6760.00	0.00	185.75	6612.03	-1199.23	-120.84	1205.30	0.00	0.00	0.00	
6860.00	0.00	185.75	6712.03	-1199.23	-120.84	1205.30	0.00	0.00	0.00	

WEATHERFORD DRILLING SERVICES

WELL PLAN REPORT

Company: BILL BARRETT CORP
Field: DUCHESNE COUNTY, UTAH
Site: #5-27-46 DLB
Well: #5-27-46 DLB
Wellpath: 1

Date: 1/30/2007 **Time:** 17:59:37 **Page:** 3
Co-ordinate(NE) Reference: Site: #5-27-46 DLB, True North
Vertical (TVD) Reference: KB 7182.7
Section (VS) Reference: Well (0.00N,0.00E,185.75Azi)
Survey Calculation Method: Minimum Curvature **Db:** Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
6960.00	0.00	185.75	6812.03	-1199.23	-120.84	1205.30	0.00	0.00	0.00	
7060.00	0.00	185.75	6912.03	-1199.23	-120.84	1205.30	0.00	0.00	0.00	
7160.00	0.00	185.75	7012.03	-1199.23	-120.84	1205.30	0.00	0.00	0.00	
7260.00	0.00	185.75	7112.03	-1199.23	-120.84	1205.30	0.00	0.00	0.00	
7360.00	0.00	185.75	7212.03	-1199.23	-120.84	1205.30	0.00	0.00	0.00	
7460.00	0.00	185.75	7312.03	-1199.23	-120.84	1205.30	0.00	0.00	0.00	
7560.00	0.00	185.75	7412.03	-1199.23	-120.84	1205.30	0.00	0.00	0.00	
7660.00	0.00	185.75	7512.03	-1199.23	-120.84	1205.30	0.00	0.00	0.00	
7760.00	0.00	185.75	7612.03	-1199.23	-120.84	1205.30	0.00	0.00	0.00	
7860.00	0.00	185.75	7712.03	-1199.23	-120.84	1205.30	0.00	0.00	0.00	
7960.00	0.00	185.75	7812.03	-1199.23	-120.84	1205.30	0.00	0.00	0.00	
8060.00	0.00	185.75	7912.03	-1199.23	-120.84	1205.30	0.00	0.00	0.00	
8116.97	0.00	185.75	7969.00	-1199.23	-120.84	1205.30	0.00	0.00	0.00	NORTH HORN
8160.00	0.00	185.75	8012.03	-1199.23	-120.84	1205.30	0.00	0.00	0.00	
8260.00	0.00	185.75	8112.03	-1199.23	-120.84	1205.30	0.00	0.00	0.00	
8360.00	0.00	185.75	8212.03	-1199.23	-120.84	1205.30	0.00	0.00	0.00	
8460.00	0.00	185.75	8312.03	-1199.23	-120.84	1205.30	0.00	0.00	0.00	
8560.00	0.00	185.75	8412.03	-1199.23	-120.84	1205.30	0.00	0.00	0.00	
8660.00	0.00	185.75	8512.03	-1199.23	-120.84	1205.30	0.00	0.00	0.00	
8760.00	0.00	185.75	8612.03	-1199.23	-120.84	1205.30	0.00	0.00	0.00	
8860.00	0.00	185.75	8712.03	-1199.23	-120.84	1205.30	0.00	0.00	0.00	
8960.00	0.00	185.75	8812.03	-1199.23	-120.84	1205.30	0.00	0.00	0.00	
9060.00	0.00	185.75	8912.03	-1199.23	-120.84	1205.30	0.00	0.00	0.00	
9116.97	0.00	185.75	8969.00	-1199.23	-120.84	1205.30	0.00	0.00	0.00	PBHL 5-27-46 DL

Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude → Deg Min Sec			← Longitude → Deg Min Sec		
PBHL 5-27-46 DLB -Circle (Radius: 200) -Plan hit target		8969.00	-1199.23	-120.84	7208721.46	1904400.92	40	6	21.398 N	110	33	22.315 W

Annotation

MD ft	TVD ft	
1060.00	1060.00	KOP
1916.95	1907.20	HOLD
5641.20	5504.60	DROP
6531.96	6384.00	TOP OF TGT
6640.97	6493.00	HOLD
9116.97	8969.00	PBHL

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
3818.52	3744.00	TGR 3		0.00	0.00
4620.84	4519.00	DOUGLAS CREEK		0.00	0.00
5309.29	5184.00	BLACK SHALE MARKER		0.00	0.00
5593.99	5459.00	CASTLE PEAK		0.00	0.00
6170.78	6024.00	WASATCH		0.00	0.00
8116.97	7969.00	NORTH HORN		0.00	0.00

WEATHERFORD DRILLING SERVICES

WELL PLAN REPORT

Company: BILL BARRETT CORP
Field: DUCHESNE COUNTY, UTAH
Site: #5-27-46 DLB
Well: #5-27-46 DLB
Wellpath: 1

Date: 1/30/2007 Time: 17:59:37 Page: 4
Co-ordinate(NE) Reference: Site: #5-27-46 DLB, True North
Vertical (TVD) Reference: KB 7182.7
Section (VS) Reference: Well (0.00N,0.00E,185.75Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
1000.00	1000.00	0.000	0.000	CASING PT.

BILL BARRETT CORPORATION

#5-27-46 DLB

LOCATED IN DUCHESNE COUNTY, UTAH
SECTION 27, T4S, R6W, U.S.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHWESTERLY



- Since 1964 -

UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

**TOPOGRAPHIC
MAP**

09 07 06
MONTH DAY YEAR

TAKEN BY: J.R.

DRAWN BY: C.P.

REV: 11-28-06 J.L.G.

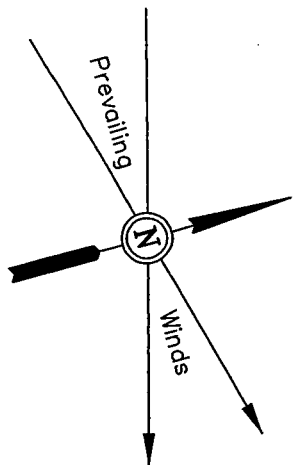
PHOTO

BILL BARRETT CORPORATION

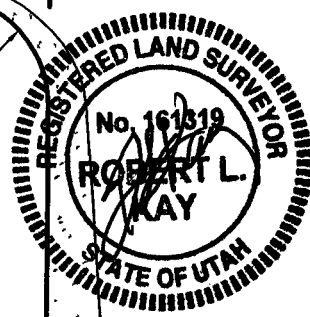
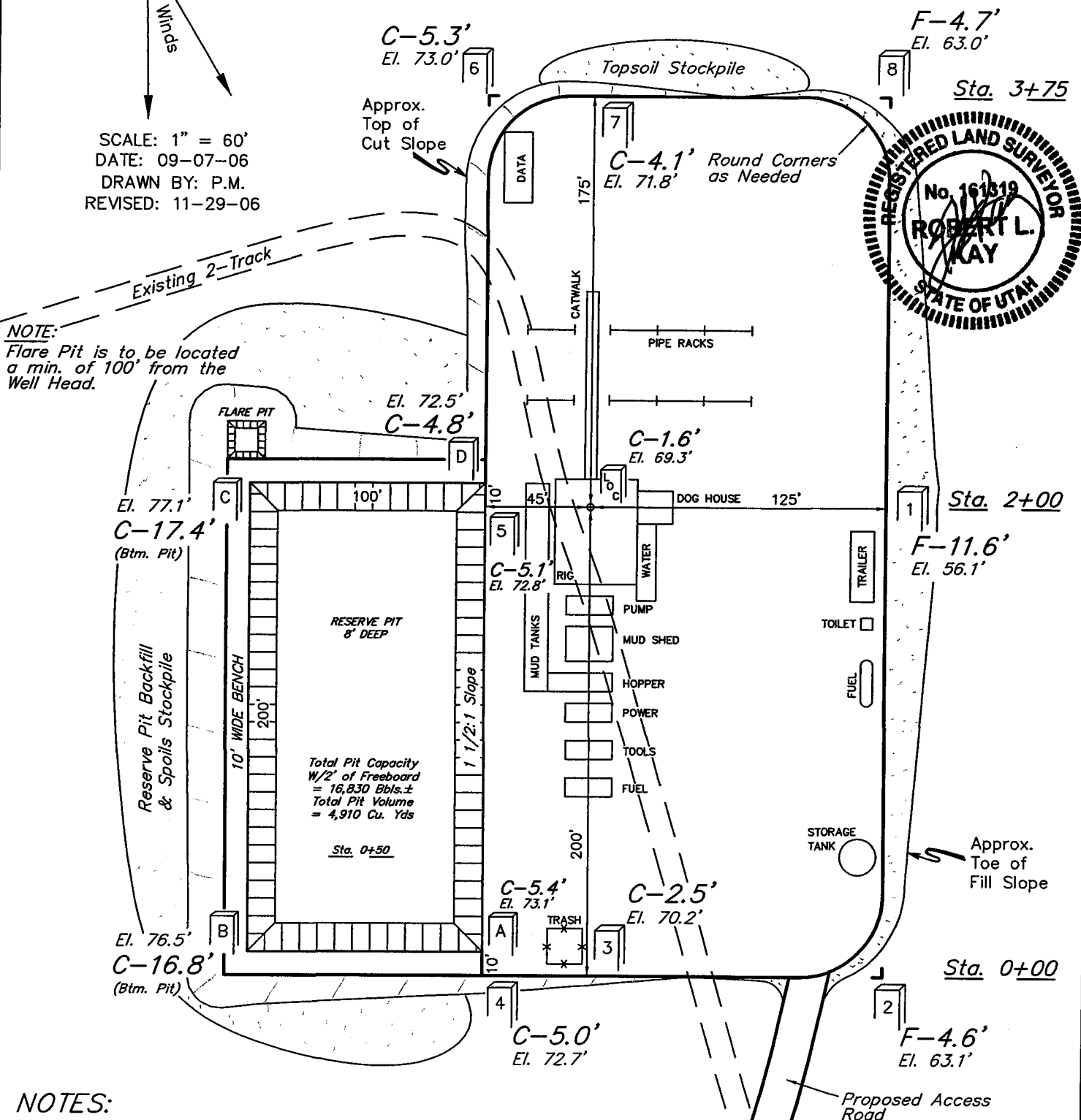
LOCATION LAYOUT FOR

#5-27-46 DLB
SECTION 27, T4S, R6W, U.S.B.&M.
781 FNL 752 FWL

FIGURE #1



SCALE: 1" = 60'
DATE: 09-07-06
DRAWN BY: P.M.
REVISED: 11-29-06



NOTES:

Elev. Ungraded Ground At Loc. Stake = 7169.3'
FINISHED GRADE ELEV. AT LOC. STAKE = 7167.7'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

BILL BARRETT CORPORATION

TYPICAL CROSS SECTIONS FOR

#5-27-46 DLB

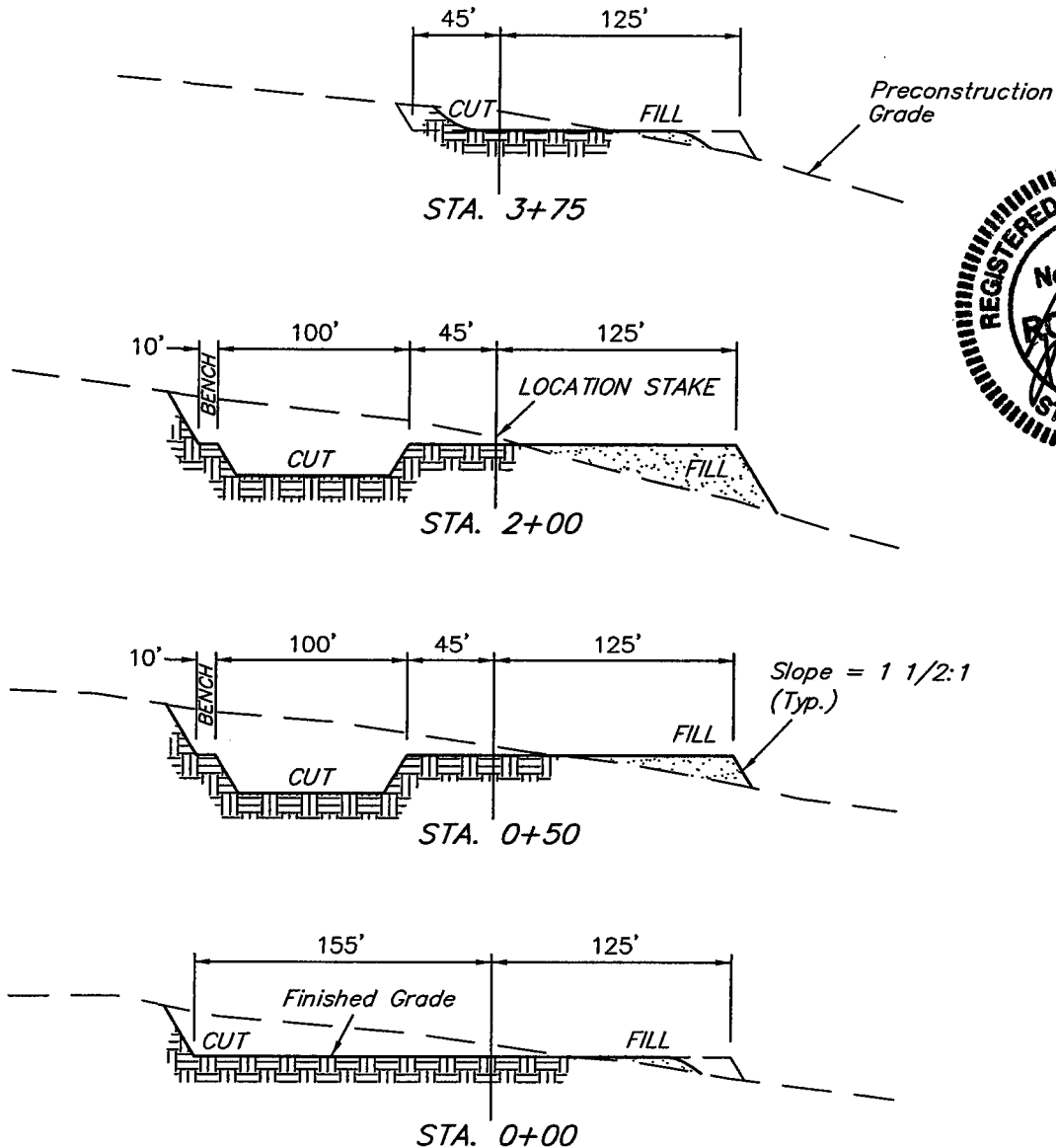
SECTION 27, T4S, R6W, U.S.B.&M.

781 FNL 752 FWL

FIGURE #2

1" = 40'
X-Section
Scale
1" = 100'

DATE: 09-07-06
DRAWN BY: P.M.
REVISED: 11-29-06



NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

* NOTE:

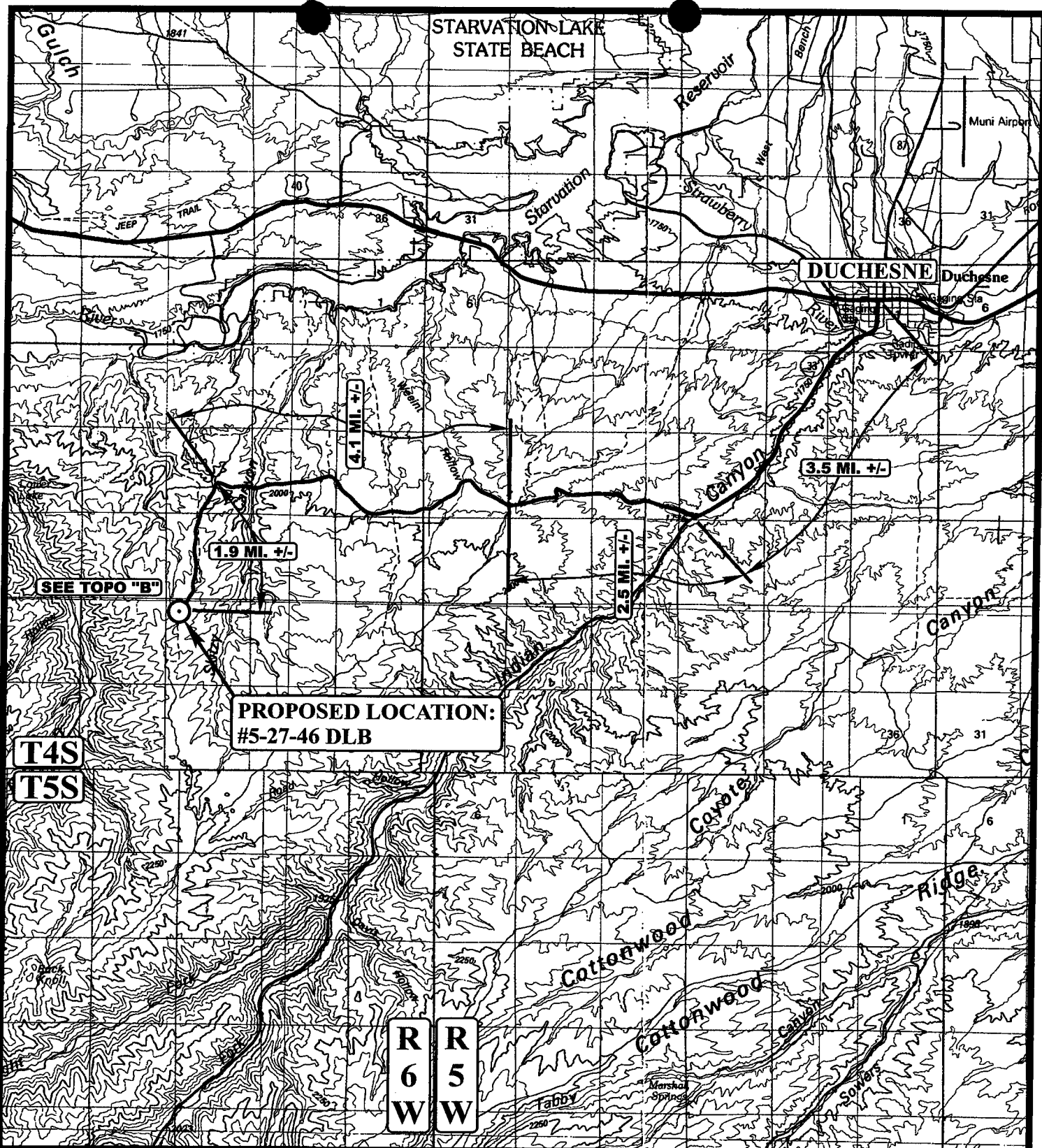
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,970 Cu. Yds.
Remaining Location	= 14,340 Cu. Yds.
TOTAL CUT	= 16,310 CU.YDS.
FILL	= 7,630 CU.YDS.

EXCESS MATERIAL	= 8,680 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 4,430 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 4,250 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017



LEGEND:

○ PROPOSED LOCATION

N

BILL BARRETT CORPORATION

#5-27-46 DLB

SECTION 27, T4S, R6W, U.S.B.&M.

781' FNL 752' FWL



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

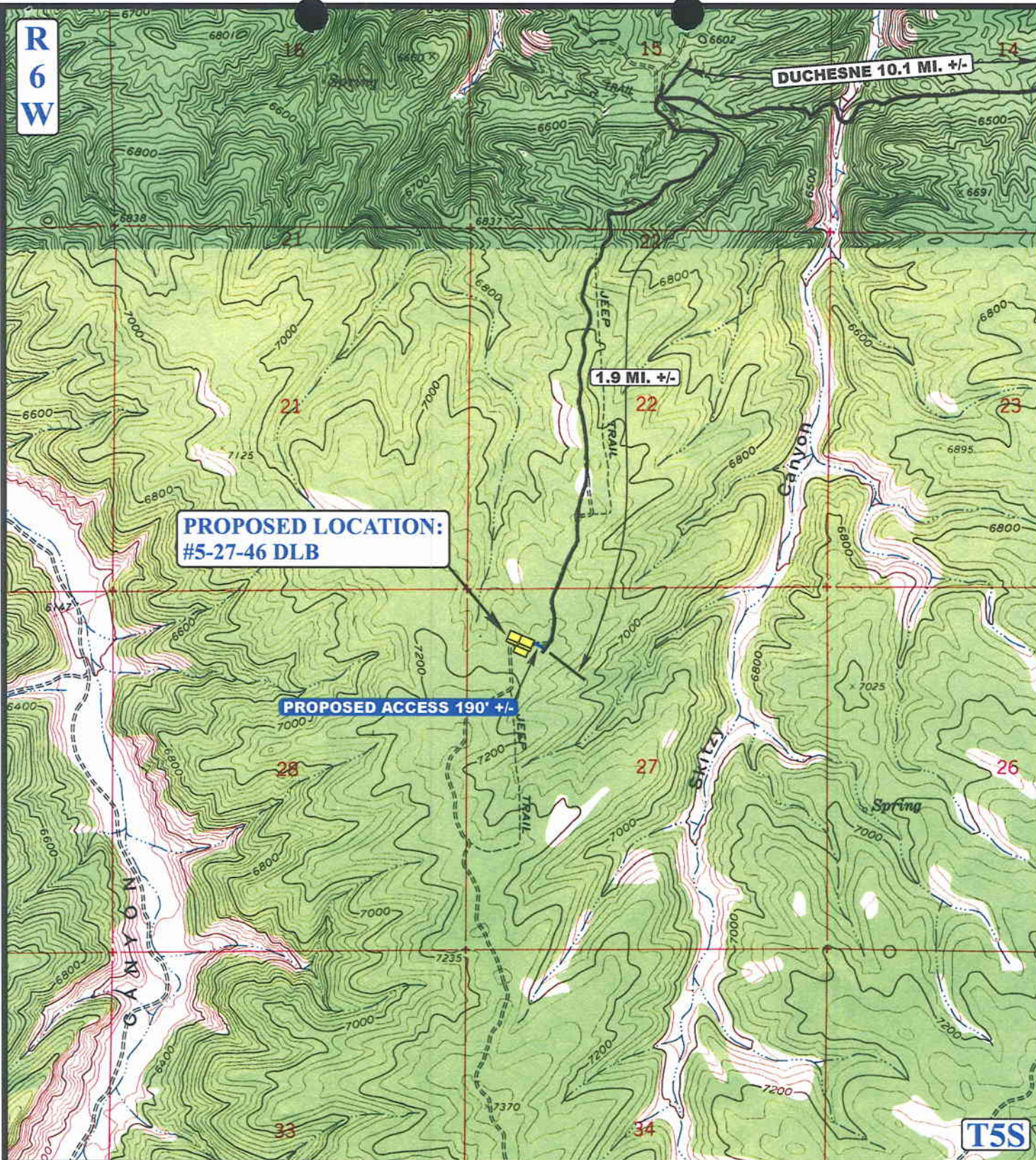
TOPOGRAPHIC
MAP

09 07 06
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: C.P. REV: 11-28-06 J.L.G.



R
6
W



T5S

LEGEND:

- EXISTING ROAD
- - - PROPOSED ACCESS ROAD

BILL BARRETT CORPORATION

#5-27-46 DLB

SECTION 27, T4S, R6W, U.S.B.&M.

781' FNL 752' FWL

U
E
I
S

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

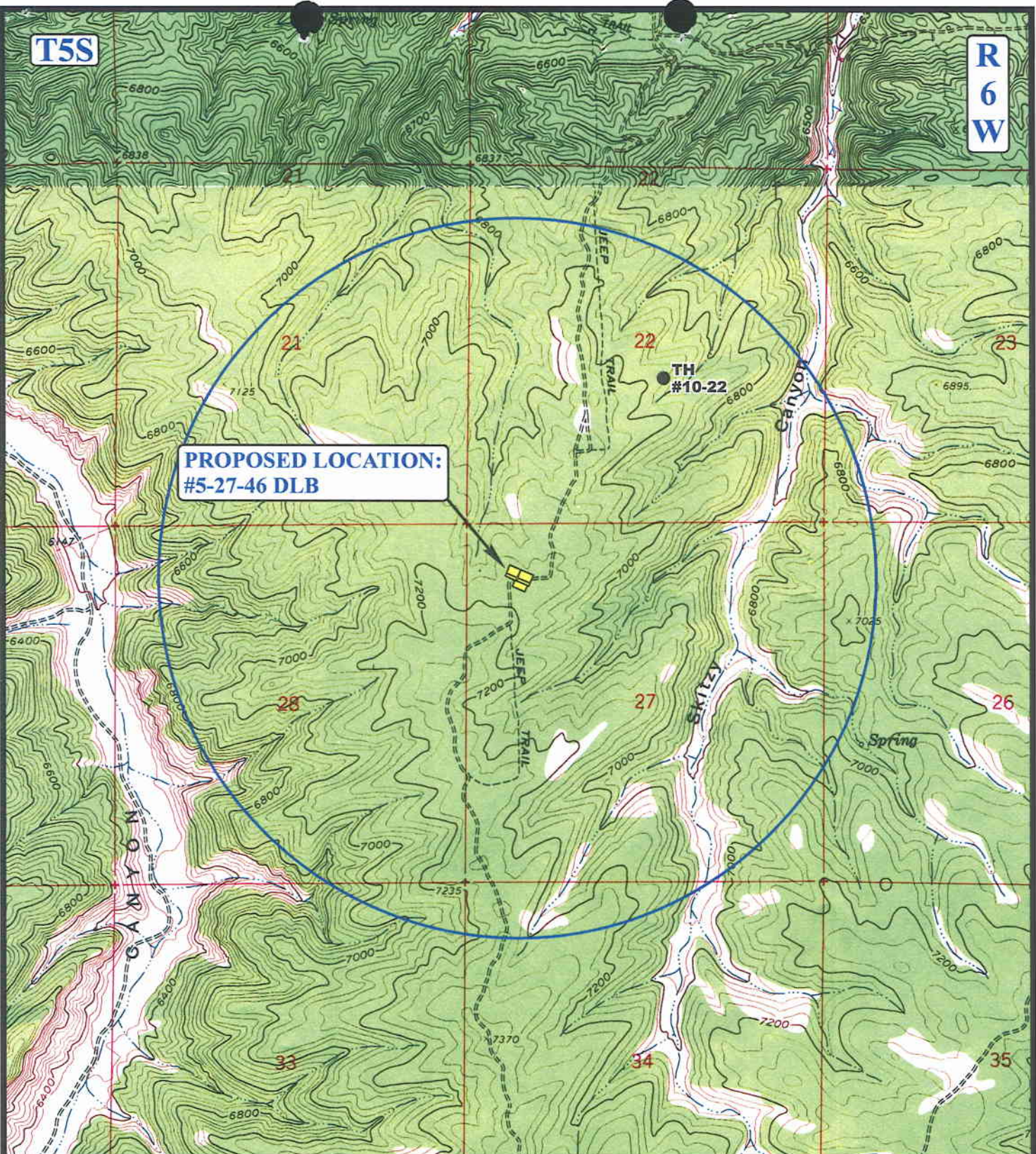
TOPOGRAPHIC
MAP

09 07 06
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REV: 11-28-06 J.L.G.

B
TOPO

T5S

R
6
W**LEGEND:**

- | | |
|-------------------|-------------------------|
| ⊗ DISPOSAL WELLS | ⊗ WATER WELLS |
| ● PRODUCING WELLS | ⊗ ABANDONED WELLS |
| ⊗ SHUT IN WELLS | ⊗ TEMPORARILY ABANDONED |

**BILL BARRETT CORPORATION**

#5-27-46 DLB
SECTION 27, T4S, R6W, U.S.B.&M.
781' FNL 752' FWL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

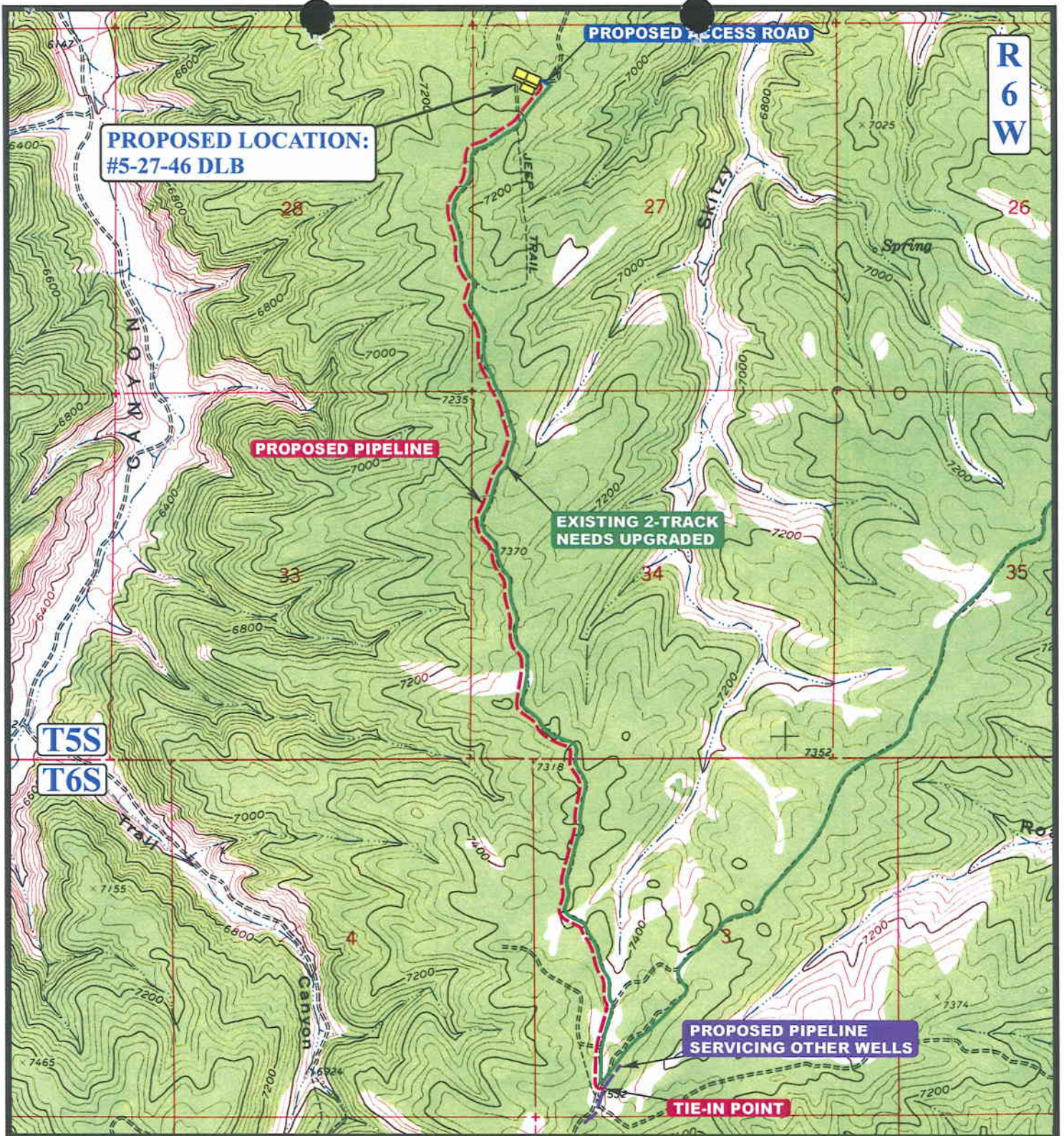
09 07 06
 MONTH DAY YEAR

SCALE: 1" = 2000'

DRAWN BY: C.P.

REV: 11-28-06 J.L.G.





APPROXIMATE TOTAL PIPELINE DISTANCE = 16,465' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING 2-TRACK NEEDS UPGRADED
- - - - - PROPOSED PIPELINE
- - - - - PROPOSED PIPELINE (SERVICING OTHER WELLS)



BILL BARRETT CORPORATION

#5-27-46 DLB
SECTION 27, T4S, R6W, U.S.B.&M.
781' FNL 752' FWL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

09 07 06
 MONTH DAY YEAR

SCALE: 1" = 2000'

DRAWN BY: C.P.

REV: 11-28-06 J.L.G.



WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/02/2007

API NO. ASSIGNED: 43-013-33568

WELL NAME: 5-27-46 DLB

OPERATOR: BILL BARRETT CORP (N2165)

PHONE NUMBER: 303-312-8546

CONTACT: REED HADDOCK

PROPOSED LOCATION:

NNWN 27 040S 060W

SURFACE: 0781 FNL 0752 FWL

BOTTOM: 1980 FNL 0660 FWL

COUNTY: DUCHESNE

LATITUDE: 40.10922 LONGITUDE: -110.5552

UTM SURF EASTINGS: 537911 NORTHINGS: 4439765

FIELD NAME: ALTAMONT (55)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 2 - Indian

LEASE NUMBER: 14-20-H62-5500

SURFACE OWNER: 4 - Fee

PROPOSED FORMATION: NHORN

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[] Ind[2] Sta[] Fee[]
(No. WYB000040)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. MUNICIPAL)
☒ RDCC Review (Y/N)
(Date:)
☒ Fee Surf Agreement (Y/N)
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

☐ R649-2-3.
Unit: _____
☐ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
☐ R649-3-3. Exception
☐ Drilling Unit
Board Cause No: _____
Eff Date: _____
Siting: _____
☒ R649-3-11. Directional Drill

COMMENTS:

Needs Presb (03-27-07)

STIPULATIONS:

1- Federal Approval
2- Spacing Map
3- STATEMENT OF BASIS

sl

T4S R6W

ALTAMONT FIELD

20
SKITZY CYN
UTE 1-20-3A

21
BHL
7-21-46 DLB
7-21-46 DLB
SKITZY CYN
UTE 21 1-21-3A
LC TRIBAL
16-21-46

SKITZY CYN
UTE 4-22-1A

SKITZY CYN
UTE 1-22-2A

SKITZY CYN
UTE 3-22-1C

SKITZY CYN
UTE 2-22-2C

22

29
BHL
7-29-46 DLB
SKITZY CYN
UTE 3-29-2C
5-28-46 DLB
7-29-46 DLB
BHL
5-28-46 DLB

28
LC TRIBAL 8-28-46
7-28-46 DLB
SKITZY CYN
UTE 1-28-2C
BHL
7-28-46 DLB

5-27-46 DLB
BHL
5-27-46 DLB

SKITZY CYN
UTE 1-27-4B

27

UTE TRIBAL
1-34

UTE TRIBAL
1-33
5-34-46 DLB

32

33

34

T5S R6W

OPERATOR: BILL BARRETT CORP (N2165)

SEC: 21,27,28,29 T.4S R. 6W

FIELD: ALTAMONT (55)

COUNTY: DUCHESNE

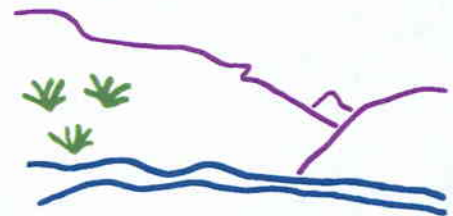
SPACING: R649-3-11 / DIRECTIONAL DRILLING

Field Status
 ABANDONED
 ACTIVE
 COMBINED
 INACTIVE
 PROPOSED
 STORAGE
 TERMINATED

Unit Status
 EXPLORATORY
 GAS STORAGE
 NF PP OIL
 NF SECONDARY
 PENDING
 PI OIL
 PP GAS
 PP GEOTHERML
 PP OIL
 SECONDARY
 TERMINATED

Wells Status

GAS INJECTION
 GAS STORAGE
 LOCATION ABANDONED
 NEW LOCATION
 PLUGGED & ABANDONED
 PRODUCING GAS
 PRODUCING OIL
 SHUT-IN GAS
 SHUT-IN OIL
 TEMP. ABANDONED
 TEST WELL
 WATER INJECTION
 WATER SUPPLY
 WATER DISPOSAL
 DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA MASON
 DATE: 8-MARCH-2007

Application for Permit to Drill
Statement of Basis
Utah Division of Oil, Gas and Mining

4/11/2007

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
290	43-013-33568-00-00		GW	P	No
Operator	BILL BARRETT CORP		Surface Owner-APD		
Well Name	5-27-46 DLB		Unit		
Field	ALTAMONT		Type of Work		
Location	NWNW 27 4S 6W U 781 FNL 752 FWL GPS Coord (UTM) 537911E 4439765N				

Geologic Statement of Basis

The mineral rights at the proposed location are owned by the Ute Indian Tribe. The BLM will be the agency responsible for evaluating and approving the proposed drilling, casing and cement programs.

Brad Hill

4/11/2007

APD Evaluator

Date / Time

Surface Statement of Basis

The location is proposed in the lower Skitzzy area between the Right Fork of Indian Canyon and Lake Canyon. The area is approximately 13 road miles southwest of Duchesne, Utah. Access from the Indian Canyon State Highway 91 is following the Skitzzy road about 6.6 miles then along a two-track road to be up-graded about 1.9 miles. From this point a new road 190 feet in length will be constructed. The non-highway access is across Ute Tribal, Utah Division of Wildlife Resources and private lands.

General topography in the area is broken pinion-juniper ridges with frequent draws and interspersed bench lands. Slopes are not excessively steep on top of the benches or ridges, but side slopes are frequently overly steep. All drainages are ephemeral and no seeps, springs or surface water are known to exist in the area.

The proposed # 5-27-46 DLB gas well it is on the gentle north slope of a broad-topped ridge which extends to the west of the location. A significant draw begins to the northwest of the location. Small swales run through the location but create no drainage concerns.

The Utah Division of Wildlife Resources owns the surface for this location and the minerals are owned by the US Government and held in trust for the Ute Indian Tribe. The BLM who represents the Ute Indian Tribe was invited to the pre-site evaluation. No one attended. Be Williams represented the UDWR.

To reduce the impact on wintering deer and elk in Lake Canyon the UDWR will require as part of their surface use agreement that no road or pad construction, drilling or use of work-over rigs occur during the critical wintering period of December 1 thru April 15. In addition Mr. Williams requested that if a pump jack is installed on the location that a reduced sound emission muffler be installed on the motor.

Mr. Willams gave Mr. Beath of Bill Barrett Corp. a copy of his wildlife evaluation and a seed mixture to be used to revegetate un-used portions of the disturbed area.

The selected location appears to be the best site for drilling and operating a well in the immediate area. A Berry Petroleum well is staked in the same area and partially overtops the same location.

Floyd Bartlett

3/27/2007

Onsite Evaluator

Date / Time

Application for Permit to Drill
Statement of Basis
Utah Division of Oil, Gas and Mining

4/11/2007

Page 2

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator BILL BARRETT CORP
Well Name 5-27-46 DLB
API Number 43-013-33568-0 **APD No** 290 **Field/Unit** ALTAMONT
Location: 1/4,1/4 NWNW **Sec** 27 **Tw** 4S **Rng** 6W 781 FNL 752 FWL
GPS Coord (UTM) 537923 4439772 **Surface Owner**

Participants

Floyd Bartlett (DOGM), Mike Beath and Jeff Stringham (Bill Barrett Corp.), Roger Mitchell (Dirt Contractor), Ben Williams (UDWR)

Regional/Local Setting & Topography

The location is proposed in the lower Skitzzy area between the Right Fork of Indian Canyon and Lake Canyon. The area is approximately 13 road miles southwest of Duchesne, Utah. Access from the Indian Canyon State Highway 91 is following the Skitzzy road about 6.6 miles then along a two-track road to be up-graded about 1.9 miles. From this point a new road 190 feet in length will be constructed. The non-highway access is across Ute Tribal, Utah Division of Wildlife Resources and private lands.

General topography in the area is broken pinion-juniper ridges with frequent draws and interspersed bench lands. Slopes are not excessively steep on top of the benches or ridges, but side slopes are frequently overly steep. All drainages are ephemeral and no seeps, springs or surface water are known to exist in the area.

The proposed # 5-27-46 DLB gas well it is on the gentle north slope of a broad-topped ridge which extends to the west of the location. A significant draw begins to the northwest of the location. Small swales run through the location but create no drainage concerns.

The Utah Division of Wildlife Resources owns the surface for this location and the minerals are owned by the US Government and held in trust for the Ute Indian Tribe.

Surface Use Plan

Current Surface Use

Recreational
Wildlife Habitat
Deer Winter Range

New Road

Miles	Well Pad		Src Const Material	Surface Formation
0.01	Width 280	Length 375	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetland N

Flora / Fauna

Pinion-juniper type of medium density. Little understory. Mahogany and slender wheat grass present.

Elk, deer, coyotes, rabbits and small mammals, birds and raptors.

Soil Type and Characteristics
Shallow shaley sandy loam.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required N

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run? N **Paleo Potential Observed?** N **Cultural Survey Run?** Y **Cultural Resources?** N

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	<300	20
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	10 to 20	5
Affected Populations	<10	0
Presence Nearby Utility Conduits	Not Present	0
Final Score		40
		1
		Sensitivity Level

Characteristics / Requirements

The reserve pit is planned in an area of cut on the southeast corner of the location. Its size is 100' x 200' x 8' deep with 2 feet of freeboard. A 16 mil liner is required.

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y

Other Observations / Comments

Ben Williams of the UDWR stated he is working with both Bill Barrett and Bery Petroleum to co-locate nearby wells on one pad. This is the case with this location.

Floyd Bartlett
Evaluator

3/27/2007
Date / Time



March 12, 2007

Ms. Diana Mason – Petroleum Technician
State of Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Re: Directional Drilling R649-3-11
Lake Canyon Area #5-27-46 DLB Well
Surface: 781' FNL & 752' FWL - NWNW, 27-T4S-R6W
Bottom Hole: 1980' FNL & 660' FWL - SWNW, 27-T4S-R6W
Duchesne County, Utah

Dear Ms. Whitney:

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill ("APD") regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-11, pertaining to Directional Drilling and the Location and Siting of Wells.

- The above-mentioned proposed location is within our Lake Canyon Area.
- BBC is permitting this well as a directional well in order to minimize surface disturbance. By locating the well at the surface location and directionally drilling from this location, BBC will be able to utilize the existing road and pipelines in the area and also minimize surface disturbance.
- BBC hereby certifies it owns a working interest along with Berry Petroleum Company, and together we own 100% of the working interest within 460 feet of the entire directional well bore.
- Our ownership rights under our Exploration and Development Agreement with the Ute Indian Tribe and UDC provides for the drilling of exploratory wells. Said agreement provides that we consult with these owners regarding the drilling of this well.

Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-11. If you should have any questions or need further information, please contact me at 303-312-8129.

Sincerely,

Doug Gundry-White
Senior Landman

RECEIVED

MAR 14 2007

DIV. OF OIL, GAS & MINING

1099 18TH STREET
SUITE 2300
DENVER, CO 80202
P 303.293.9100
F 303.291.0420

*Set Stone, Pile
of Stones,
Bearing Trees*

N89°54'W - 2636.04' (G.L.O.)

**Set Marked Stone,
Wood Post**

N00°00'27"W - 2631.46' (Meas.)

N00°09'05"E - 2645.00' (Meas.)

**Set Stone, Pile
of Stones,
Bearing Trees**

Set Marked Stone

N89°53'25"W - 2601.98' (Meas.)

NB9°58'W - 2637.36' (G.L.O.)

#5-27-46 DLB

Elev. Ungraded Ground = 7169'

Bottom
Hole

27

N00°02'W - 5280.00' (G.L.O.)

L = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(NAD 83)

LATITUDE = 40°06'33.25" (40.109236)

LONGITUDE = 110°33'20.76" (110.555767)

(NAD 27)

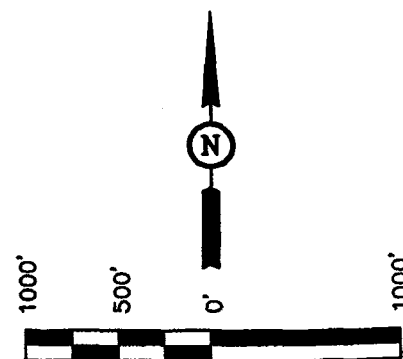
LATITUDE = 40°06'33.40" (40.109278)

LONGITUDE = 110°33'18.20" (110.555056)

Well location, #5-27-46 DLB, located as shown in the NW 1/4 NW 1/4 of Section 27, T4S, R6W, U.S.B.&M., Duchesne County, Utah.

BENCH MARK (M67) LOCATED IN THE SW 1/4 OF SECTION 9, T5S, R4W, U.S.B.&M., TAKEN FROM THE DUCHESNE SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED ON CAP AS BEING 6097 FEET.

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



S C A L E

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE INFORMATION WAS OBTAINED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME IS TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REVISÉ: 01-19-07

UTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE
1" = 1000'

DATE SURVEYED:
09-06-06

DATE DRAWN:
09-07-06

PARTY	J.R.	A.A.	R.P.	P.M.

REFERENCES	G.L.O. PLAT
------------	-------------

WEATHER HOT

FILE	BILL BARRETT CORPORATION
------	--------------------------



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

May 14, 2007

Bill Barrett Corporation
1099 18th St., Ste. 2300
Denver, CO 80202

Re: 5-27-46 DLB Well, Surface Location 781' FNL, 752' FWL, NW NW, Sec. 27,
T. 4 South, R. 6 West, Bottom Location 1980' FNL, 660' FWL, SW NW,
Sec. 27, T. 4 South, R. 6 West, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33568.

Sincerely,

Gil Hunt
Associate Director

pab

Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office

Operator: Bill Barrett Corporation
Well Name & Number 5-27-46 DLB
API Number: 43-013-33568
Lease: 14-20-H62-5500

Surface Location: NW NW **Sec.** 27 **T.** 4 South **R.** 6 West
Bottom Location: SW NW **Sec.** 27 **T.** 4 South **R.** 6 West

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division with 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Utah Admin. R. 649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

6. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

7. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. BIA 14-20-H62-5500
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name UTE INDIAN TRIBE
2. Name of Operator BILL BARRETT CORPORATION		7. If Unit or CA Agreement, Name and No. N/A
3a. Address 1099 18th Street, Suite 2300 Denver CO 80202	3b. Phone No. (include area code) (303) 312-3468	8. Lease Name and Well No. # 5-27-46 DLB
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface NWNW, 781' FNL, 752' FWL At proposed prod. zone SWNW, 1980' FNL, 660' FWL		9. API Well No. 43-013-33568
11. Sec., T. R. M. or Blk. and Survey or Area Section 27-T4S-R6W U.S.B.&M.		10. Field and Pool, or Exploratory Wildcat
12. County or Parish Duchesne		13. State UT
14. Distance in miles and direction from nearest town or post office* Approximately 12 miles southwest of Duchesne, Utah	15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 752' SHL; 660' BHL	16. No. of acres in lease N/A
17. Spacing Unit dedicated to this well 40	18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 3660' NE	19. Proposed Depth 9117'
20. BLM/BIA Bond No. on file Nationwide Bond #WYB000040	21. Elevations (Show whether DF, KDB, RT, GL, etc.) 7169' Ungraded Ground	22. Approximate date work will start* 06/01/2007
23. Estimated duration 45 days		24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature <i>Reed Haddock</i>	Name (Printed/Typed) Reed Haddock	Date 02/27/2007
Title Permit Analyst		

Approved by (Signature) <i>[Signature]</i>	Name (Printed/Typed) TEARY KEVIZIA	Date 6-26-2007
Title Assistant Field Manager	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on page 2)

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

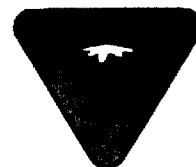
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JUN 29 2007

DIV. OF OIL, GAS & MINING



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East VERNAL, UT 84078 (435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Bill Barrett Corp.
Well No: 5-27-46 DLB
API No: 43-013-33568

Location: NWNW, Sec. 27, T4S, R6W
Lease No: 14-20-H62-5500
Agreement: N/A

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	435-781-4490	435-828-4470
Petroleum Engineer:	Michael Lee	435-781-4432	435-828-7875
Petroleum Engineer:	James Ashley	435-781-4470	435-828-7874
Petroleum Engineer:	Ryan Angus	435-781-4430	435-828-7368
Supervisory Petroleum Technician:	Jamie Sparger	435-781-4502	435-828-3913
NRS/Enviro Scientist:	Paul Buhler	435-781-4475	435-828-4029
NRS/Enviro Scientist:	Karl Wright	435-781-4484	
NRS/Enviro Scientist:	Holly Villa	435-781-4404	
NRS/Enviro Scientist:	Chuck MacDonald	435-781-4441	
NRS/Enviro Scientist:	Jannice Cutler	435-781-3400	
NRS/Enviro Scientist:	Michael Cutler	435-781-3401	
NRS/Enviro Scientist:	Anna Figueroa	435-781-3407	
NRS/Enviro Scientist:	Verlyn Pindell	435-781-3402	
NRS/Enviro Scientist:	Darren Williams	435-781-4447	
NRS/Enviro Scientist:	Nathan Packer	435-781-3405	

Fax: 435-781-4410

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

- | | |
|--|--|
| Location Construction
(Notify NRS/Enviro Scientist) | - Forty-Eight (48) hours prior to construction of location and access roads. |
| Location Completion
(Notify NRS/Enviro Scientist) | - Prior to moving on the drilling rig. |
| Spud Notice
(Notify Petroleum Engineer) | - Twenty-Four (24) hours prior to spudding the well. |
| Casing String & Cementing
(Notify Supervisory Petroleum Technician) | - Twenty-Four (24) hours prior to running casing and cementing all casing strings. |
| BOP & Related Equipment Tests
(Notify Supervisory Petroleum Technician) | - Twenty-Four (24) hours prior to initiating pressure tests. |
| First Production Notice
(Notify Petroleum Engineer) | - Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days. |

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

General Surface COAs

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer AO. A report will be prepared by a BLM permitted paleontologist and submitted to the AO at the completion of surface disturbing activities.

Specific Surface COAs

- State Surface – No COAs.

DOWNHOLE CONDITIONS OF APPROVAL

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

- Use 1" tubing to cement top 100 feet of surface casing with class G neat cement (1.18 cubic feet per sack).
- The top of the production casing cement shall extend a minimum of 200 feet above the 9 5/8 inch surface casing shoe.
- All casing strings below the conductor shall be pressure tested to 0.22 psi/ft or 1500 psi, whichever is greater, but not to exceed 70% of the internal yield strength of the casing.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment BOPE shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources such as Gilsonite, tar sands, oil shale, trona, etc. to the Vernal Field Office, in writing, within 5

working days of each encounter. Each report shall include the well name/number, well location, date and depth from KB or GL of encounter, vertical footage of the encounter and, the name of the person making the report along with a telephone number should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log CBL will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" Oil and Gas Operations Report OGOR starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 303 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location $\frac{1}{4}$ Sec., Twn, Rng, and P.M..
 - Date well was placed in a producing status date of first production for which royalty will be paid.
 - The nature of the well's production, i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons.
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees NTL 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events fires, accidents, blowouts, spills, discharges as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" BLM Form 3160-4 shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys,

sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples cuttings, fluid, and/or gas shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" Form BLM 3160-5 must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: BIA 14-20-H62-5500
2. NAME OF OPERATOR: BILL BARRETT CORPORATION		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE INDIAN TRIBE
3. ADDRESS OF OPERATOR: 1099 18TH Street, Ste 2300 CITY DENVER STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: N/A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 781' FNL x 752' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 27 T4S R6W		8. WELL NAME and NUMBER: # 5-27-46 DLB
PHONE NUMBER: (303) 312-8546		9. API NUMBER: 4301333568
		10. FIELD AND POOL, OR WILDCAT: ALTAMONT

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>APD EXTENSION</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

BILL BARRETT CORPORATION (BBC) REQUESTS A ONE-YEAR EXTENSION ON THE APD FOR THIS LOCATION. THE ORIGINAL APD WAS APPROVED ON MAY 14, 2007 AND EXPIRES MAY 14, 2008.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 05-26-08

By: [Signature]

COPY SENT TO OPERATOR

Date: 5-7-2008

Initials: KS

NAME (PLEASE PRINT) REED HADDOCK

TITLE PERMIT ANALYST

SIGNATURE

[Signature]

DATE 5/1/2008

(This space for State use only)

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MAY 06 2008

DIV. OF OIL, GAS & MINING

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 4301333568
Well Name: 5-27-46 DLB
Location: 781' FNL, 752' FWL, NWNW, SEC. 27, T4S, R6W
Company Permit Issued to: BILL BARRETT CORPORATION
Date Original Permit Issued: 5/14/2007

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

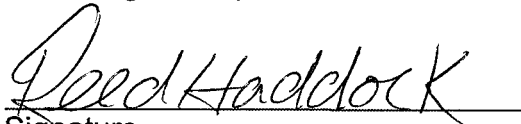
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐


Signature

5/11/2008
Date

Title: PERMIT ANALYST

Representing: BILL BARRETT CORPORATION

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MAY 06 2008

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

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2. NAME OF OPERATOR: BILL BARRETT CORPORATION		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE INDIAN TRIBE
3. ADDRESS OF OPERATOR: 1099 18TH Street, Ste 2300 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: N/A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 781' FNL, 752' FWL		8. WELL NAME and NUMBER: #5-27-46 DLB
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 27 T4S R6W		9. API NUMBER: 4301333568
COUNTY: DUCHESNE		10. FIELD AND POOL, OR WILDCAT: ALTAMONT
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
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	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
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	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>APD EXTENSION</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

BILL BARRETT CORPORATION (BBC) REQUESTS AN ADDITIONAL ONE-YEAR EXTENSION ON THE APD FOR THIS LOCATION. THE ORIGINAL APD WAS APPROVED ON MAY 14, 2007, THE PREVIOUS PERMIT EXTENSION WAS FILED ON MAY 1, 2008 AND EXPIRES ON MAY 6, 2009.

Approved by the
Utah Division of
Oil, Gas and Mining

COPY SENT TO OPERATOR

Date: 5.12.2009
Initials: KS

Date: 05-11-09
By: [Signature]

NAME (PLEASE PRINT) <u>Matt Barber</u>	TITLE <u>Permit Analyst</u>
SIGNATURE <u>[Signature]</u>	DATE <u>4/30/2009</u>

(This space for State use only)

RECEIVED
MAY 06 2009



**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 4301333568
Well Name: #5-27-46 DLB
Location: 781' FNL, 752' FWL, NWNW, Sec. 27, T4S-R6W
Company Permit Issued to: Bill Barrett Corporation
Date Original Permit Issued: 5/14/2007

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

Matt Baker
Signature

4/30/2009
Date

Title: Permit Analyst

Representing: Bill Barrett Corporation

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MAY 06 2009

DIV. OF OIL, GAS & MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Green River District-Vernal Field Office
170 South 500 East
Vernal, UT 84078
(435) 781-4400 Fax: (435) 781-4410
<http://www.blm.gov/ut/st/en/fo/vernal.html>

IN REPLY REFER TO:
3160
UTG011

August 6, 2009

Matt Barber
Bill Barrett Corporation
1099 18th Street, Suite 2300
Denver, CO 80202

Re: **43 013 33568**
Notice of Expiration
Well No. 5-27-46 DLB
NWNW, Sec. 27, T4S, R6W
Duchesne County, Utah
Lease No. 14-20-H62-5500

Dear Mr. Barber:

The Application for Permit to Drill for the above-referenced well was approved on June 26, 2007. No extension of the original APD was requested. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is notifying you that the approval of the referenced application has expired. If you intend to drill at this location in the future, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

If you have any questions regarding this matter, please contact me at (435) 781-3428.

Sincerely,

Robin R. Hansen

Robin R. Hansen
Legal Instruments Examiner

cc: UDOGM
BIA
Ute Tribe

RECEIVED
SEP 15 2009
DIV. OF OIL, GAS & MININ

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER


FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. 20G0005500
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name UTE INDIAN TRIBE
2. Name of Operator BILL BARRETT CORPORATION		7. If Unit or CA Agreement, Name and No. N/A
3a. Address 1099 18th Street, Suite 2300 Denver CO 80202	3b. Phone No. (include area code) (303) 312-8168	8. Lease Name and Well No. # 5-27-46 DLB
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NWNW, 781' FNL, 752' FWL At proposed prod. zone SWNW, 1980' FNL, 660' FWL		9. API Well No. 4301333568
14. Distance in miles and direction from nearest town or post office* Approximately 12 miles southwest of Duchesne, Utah		10. Field and Pool, or Exploratory Altamont
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 752' SHL; 660' BHL	16. No. of acres in lease N/A	11. Sec., T. R. M. or Blk. and Survey or Area Section 27-T4S-R6W U.S.B.&M.
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 3660' NE	19. Proposed Depth 9117'	12. County or Parish Duchesne
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 7169' ungraded ground	22. Approximate date work will start* 04/15/2010	13. State UT
23. Estimated duration 45 days		

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- | | |
|---|--|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Matt Barber	Date 01/05/2010
---	--	---------------------------

Title
Permit Analyst

Approved by (Signature) 	Name (Printed/Typed) James H. Sparger	Date APR 02 2010
Title ACTING Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on page 2)

RECEIVED

APR 14 2010

DIV. OF OIL, GAS & MINING

RECEIVED

JAN 20 2010

BLM VERNAL, UTAH

10JMD649A

UDOGM

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Bill Barrett Corporation
Well No: 5-27-46 DLB
API No: 43-047-33568

Location: NWNW, Sec.27, T4S R6W
Lease No: 2OG0005500
Agreement: N/A

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: ut_vn_opreport@blm.gov .
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

SITE SPECIFIC CONDITIONS OF APPROVAL

- All areas of disturbance (including surface pipelines) must have appropriate surface use agreements or approvals in place with the proper owner and/or agency before such action is started.
- The conditions set forth in these agreements by those owners and/or agencies.

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

- A formation integrity test shall be performed at the surface casing shoe.
- Gamma Ray Log shall be run from Total Depth to Surface.
- Operator must notify BLM Vernal office of any active gilsonite operation within 2 miles of the location 48 hours prior to any blasting on this well location
- The Top of Cement (TOC) of the production string should be 700' at a minimum.
- Operator must monitor visually drill fluids and containment system.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-5500			
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE			
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:			
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: 5-27-46 DLB			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0781 FNL 0752 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 27 Township: 04.0S Range: 06.0W Meridian: U		9. API NUMBER: 43013335680000			
PHONE NUMBER: 303 312-8128 Ext		9. FIELD and POOL or WILDCAT: ALTAMONT			
COUNTY: DUCHESNE		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/6/2010 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: _____ </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: _____
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. As per conversation between Brad Hill (DOGM Permitting Manager) and Tracey Fallang (BBC Permit Specialist) on May 6, 2010, BBC has been granted an additional year extension on the APD for this location. The original APD was approved on May 14, 2007. The previous permit extension expires on May 14, 2010.					
NAME (PLEASE PRINT) Matt Barber		PHONE NUMBER 303 312-8168			
SIGNATURE N/A		TITLE Permit Analyst DATE 5/6/2010			

**Approved by the
 Utah Division of
 Oil, Gas and Mining**

Date: May 10, 2010
By:

RECEIVED May 06, 2010



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013335680000

API: 43013335680000

Well Name: 5-27-46 DLB

Location: 0781 FNL 0752 FWL QTR NWNW SEC 27 TWNP 040S RNG 060W MER U

Company Permit Issued to: BILL BARRETT CORP

Date Original Permit Issued: 5/14/2007

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☐ Yes ☒ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

**Approved by the
Utah Division of
Oil, Gas and Mining**

Signature: Matt Barber

Date: 5/6/2010

Title: Permit Analyst **Representing:** BILL BARRETT CORP

Date: May 10, 2010

By:

RECEIVED May 06, 2010

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-5500
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: 5-27-46 DLB
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0781 FNL 0752 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 27 Township: 04.0S Range: 06.0W Meridian: U		9. API NUMBER: 43013335680000
9. FIELD and POOL or WILDCAT: ALTAMONT		COUNTY: DUCHESNE
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/14/2011	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER:
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

BBC is requesting a one year extension to this APD that expires 5/14/2011.

Per previous conversations had between Tracey Fallang of BBC and Brad Hill, an extension may be granted on this APD due to the fact that federal authority approval was recently received.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 04/14/2011

By:

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 4/8/2011	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013335680000

API: 43013335680000

Well Name: 5-27-46 DLB

Location: 0781 FNL 0752 FWL QTR NWNW SEC 27 TWNP 040S RNG 060W MER U

Company Permit Issued to: BILL BARRETT CORP

Date Original Permit Issued: 5/14/2007

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☐ Yes ☒ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

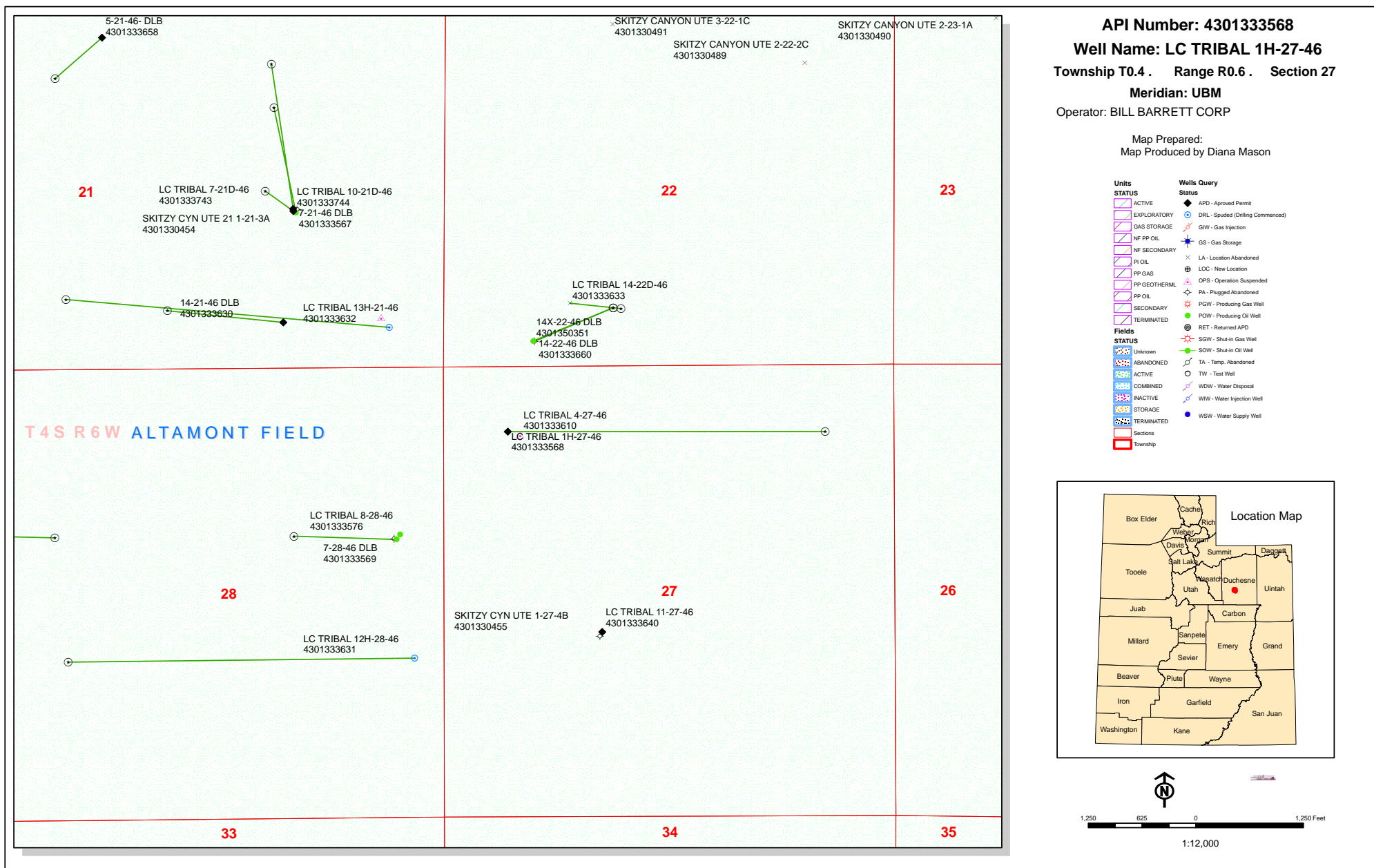
Signature: Brady Riley

Date: 4/8/2011

Title: Permit Analyst **Representing:** BILL BARRETT CORP

RECEIVED Apr. 08, 2011

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9. FIELD and POOL or WILDCAT: ALTAMONT		COUNTY: DUCHESNE
STATE: UTAH		
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 9/1/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. This sundry is being requested to change the name from 5-27-46 DLB to LC Tribal 1H-27-46. BBC is requesting permission to change this well from a directional to a horizontal with a pilot hole. The surface location will remain the same as previously approved. Bottom hole approved: SW NW, 1980' FNL and 660' FWL, Sec. 27, T4S-R6W Bottom hole requested: NE NE, 800' FNL and 800' FEL, Sec. 27, T4S-R6W Attached please find revised survey plats, drilling program and directional plan. BBC also requests confidential status for this well.		
Approved by the Utah Division of Oil, Gas and Mining Date: 08/01/2011 By:		
NAME (PLEASE PRINT) Venessa Langmacher		PHONE NUMBER 303 312-8172
SIGNATURE N/A		TITLE Senior Permit Analyst
DATE 7/20/2011		



RECEIVED Jul. 20, 2011



Bill Barrett Corporation

July 20, 2011

Ms. Diana Mason, Petroleum Technician
State of Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

**RE: Horizontal Drilling
LC Tribal #1H-27-46
Section 27, T4S-R6W, U.S.B.&M.
Duchesne County, Utah**

**Surface Hole Location: 781' FNL & 752' FWL, NWNW, 27-T4S-R6W, USB&M
Bottom Hole Location: 800' FNL & 800' FEL, NENE, 27-T4S-R6W, USB&M**

Dear Ms. Mason:

Pursuant to the filing of Bill Barrett Corporation's ("BBC") Application for Permit to Drill ("APD") regarding the above-referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-2 pertaining to a temporary 640 acre spacing unit for a horizontal well.

- Tribal Exploration and Development Agreement #14-20-H62-5500, which includes all of the subject Section 27 and other lands, allows for the drilling of the #1H-27-46 well. By drilling this well BBC will earn the lease in this section covering 640 "deep depth" acres being further described in the Exploration and Development Agreement.
- The LC Tribal #1H-27-46 will be perforated no less than 640 feet from the Section 27 Tribal Lease boundary, in accordance with R649-3-2(3).

Based on the information provided, BBC requests that the permit be granted pursuant to R649-3-2. If you should have any questions or need further information, please contact me at 303-312-8544.

Sincerely,

BILL BARRETT CORPORATION

David Watts
Landman

1099 18TH STREET
SUITE 2300
DENVER, CO 80202
P 303.293.9100
F 303.291.0420

Jul. 20, 2011

BILL BARRETT CORPORATION
LC TRIBAL #1H-27-46
LOCATED IN DUCHESNE COUNTY, UTAH
SECTION 27, T4S, R6W, U.S.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHWESTERLY



UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

TOPOGRAPHIC			09 07 06			PHOTO
MAP			MONTH	DAY	YEAR	
TAKEN BY: J.R.		DRAWN BY: C.P.		REV: 06-22-11 J.J.		

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Jul. 20, 2011

T4S, R6W, U.S.B.&M.

BILL BARRETT CORPORATION

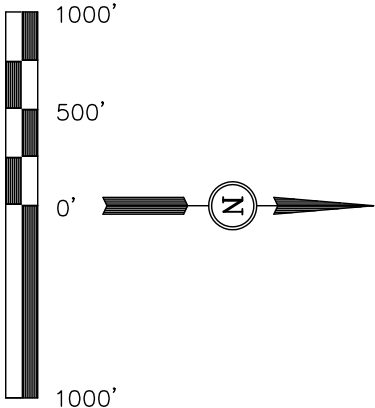
Well location, LC TRIBAL #1H-27-46, located as shown in the NW 1/4 NW 1/4 of Section 27, T4S, R6W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

BENCH MARK (M67) LOCATED IN THE SW 1/4 OF SECTION 9, T5S, R4W, U.S.B.&M., TAKEN FROM THE DUCHESENE SE QUADRANGLE, UTAH, DUCHESENE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED ON CAP AS BEING 6097 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLATS WERE PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REVISED: 06-21-11
REVISED: 01-19-07

ROBERT L. LAND
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161349
STATE OF UTAH
No. 161319
06-21-11

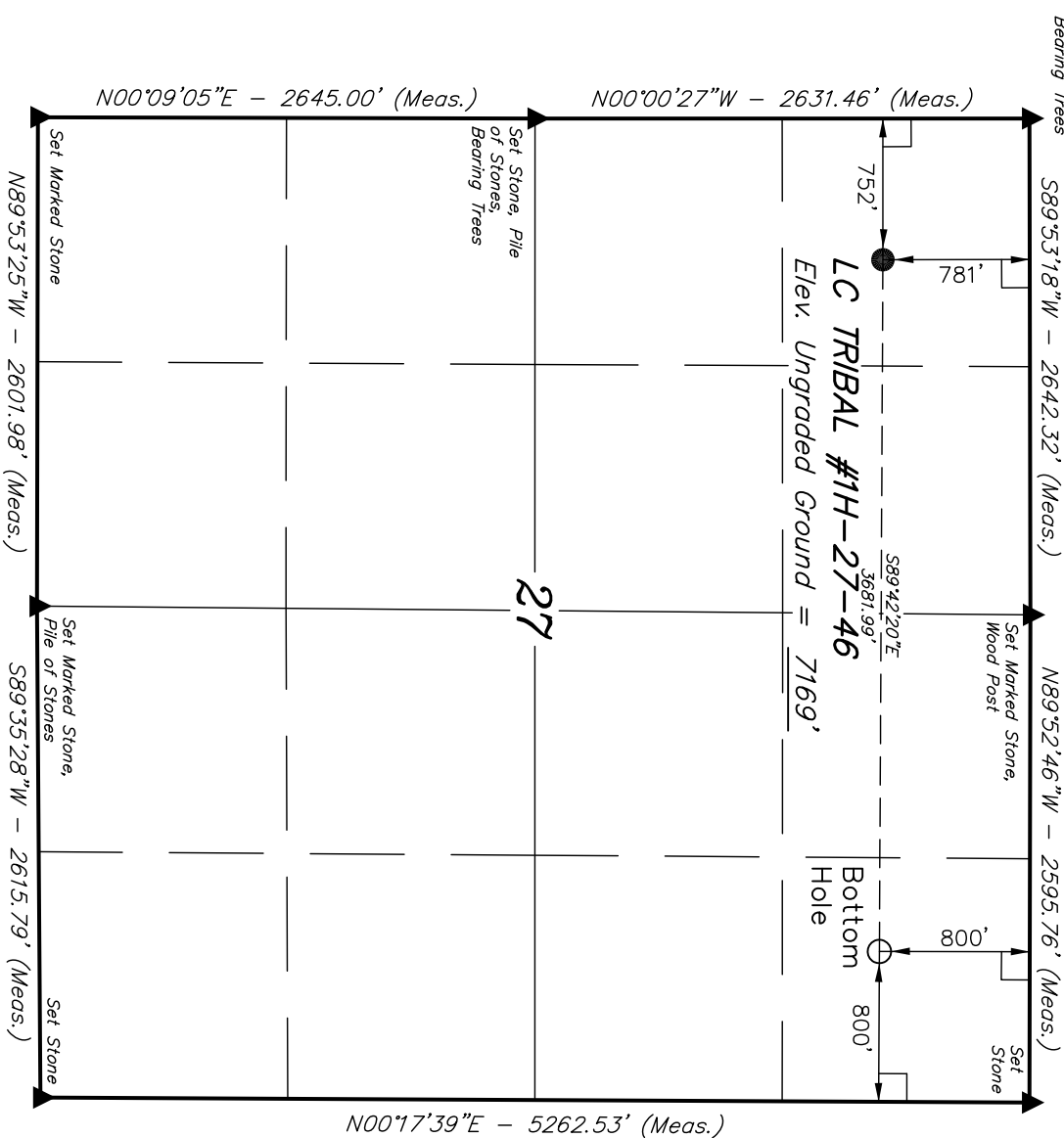
UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

[derived from: N.G.S. O.P.U.S. Solution REF FRAME: NAD_83(CORS96)(EPOCH: 2002.0000)]			
NAD 83 (TARGET BOTTOM HOLE)		NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°06'33.14" (40.109206)		LATITUDE = 40°06'33.25" (40.109236)	
LONGITUDE = 110°32'33.39" (110.542608)		LONGITUDE = 110°33'20.76" (110.555767)	
NAD 27 (TARGET BOTTOM HOLE)		NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°06'33.29" (40.109247)		LATITUDE = 40°06'33.40" (40.109278)	
LONGITUDE = 110°32'30.83" (110.541897)		LONGITUDE = 110°33'18.20" (110.555056)	

- LEGEND:
- = 90° SYMBOL
 - = PROPOSED WELL HEAD.
 - ▲ = SECTION CORNERS LOCATED.

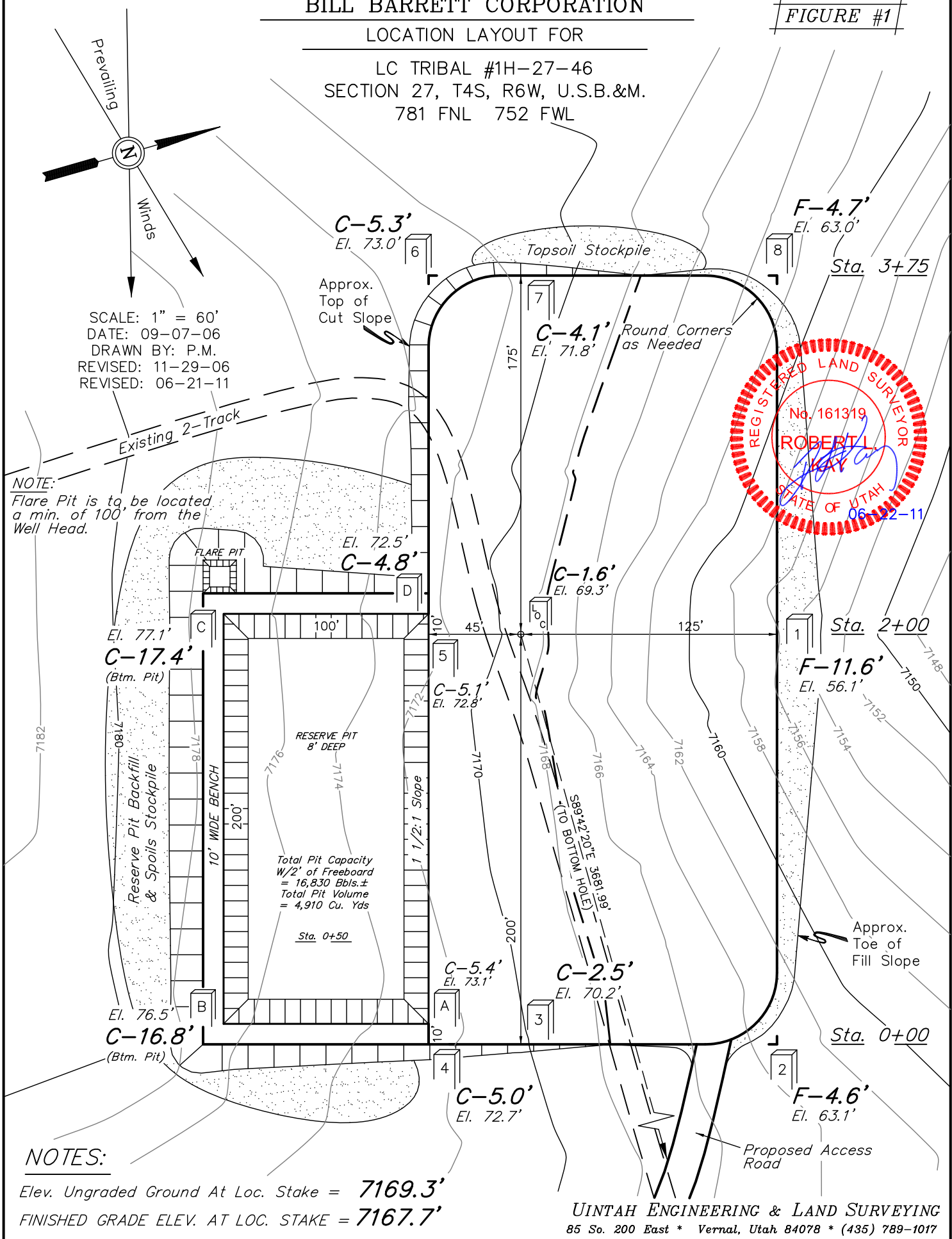


BILL BARRETT CORPORATION

LOCATION LAYOUT FOR

LC TRIBAL #1H-27-46
SECTION 27, T4S, R6W, U.S.B.&M.
781 FNL 752 FWL

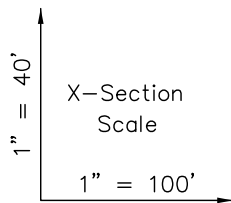
FIGURE #1



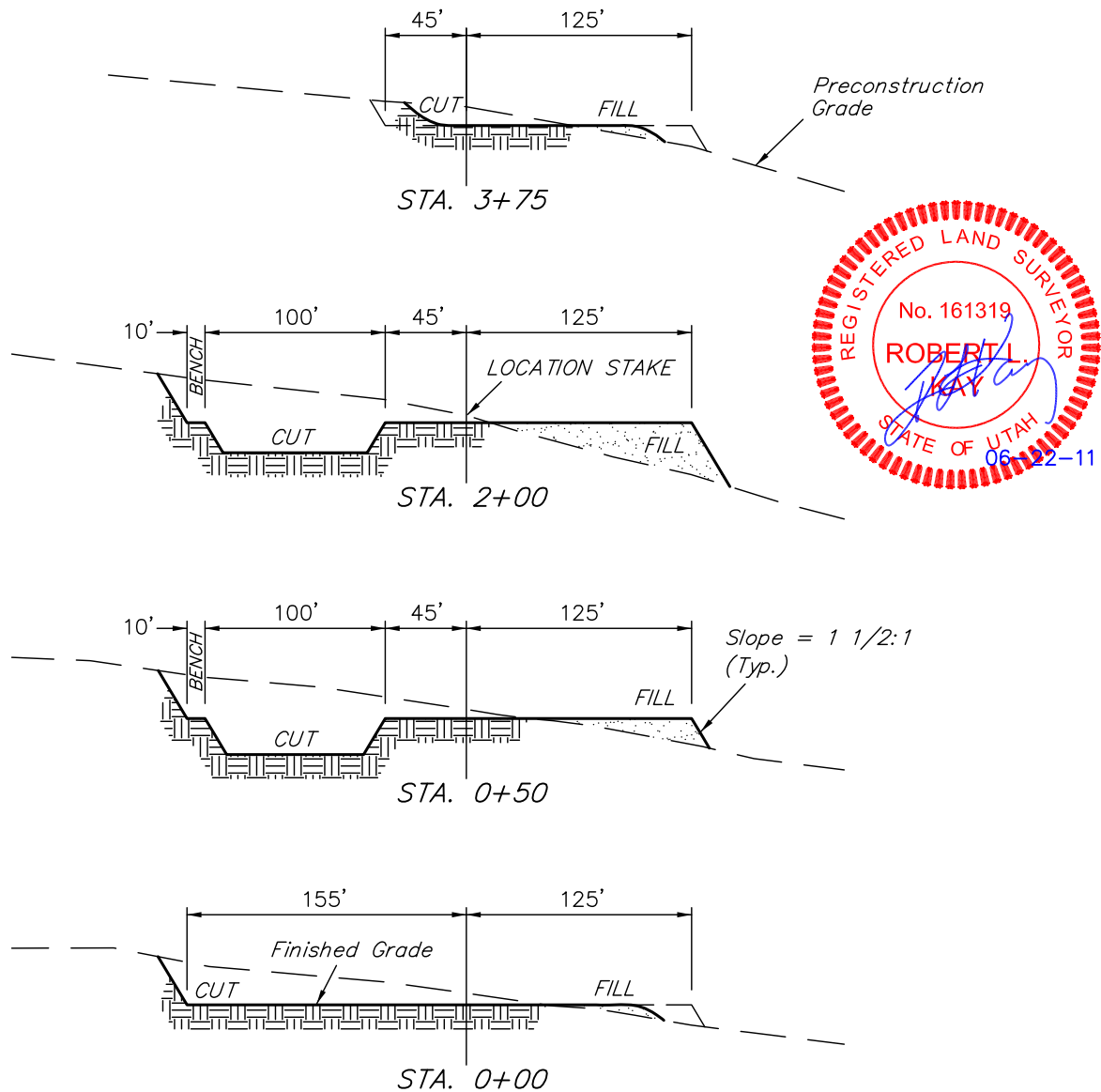
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BILL BARRETT CORPORATION**TYPICAL CROSS SECTIONS FOR**

LC TRIBAL #1H-27-46
SECTION 27, T4S, R6W, U.S.B.&M.
781 FNL 752 FWL

FIGURE #2

DATE: 09-07-06
DRAWN BY: P.M.
REVISED: 11-29-06
REVISED: 06-21-11

**NOTE:**

Topsoil should not be
Stripped Below Finished
Grade on Substructure Area.

*** NOTE:**

FILL QUANTITY INCLUDES
5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,970 Cu. Yds.
Remaining Location	= 14,340 Cu. Yds.
TOTAL CUT	= 16,310 CU.YDS.
FILL	= 7,630 CU.YDS.

EXCESS MATERIAL	= 8,680 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 4,430 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 4,250 Cu. Yds.

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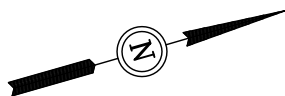
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TYPICAL RIG LAYOUT FOR

LC TRIBAL #1H-27-46
SECTION 27, T4S, R6W, U.S.B.&M.
781 FNL 752 FWL

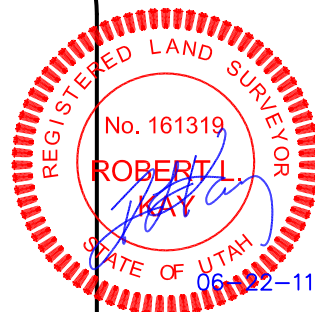
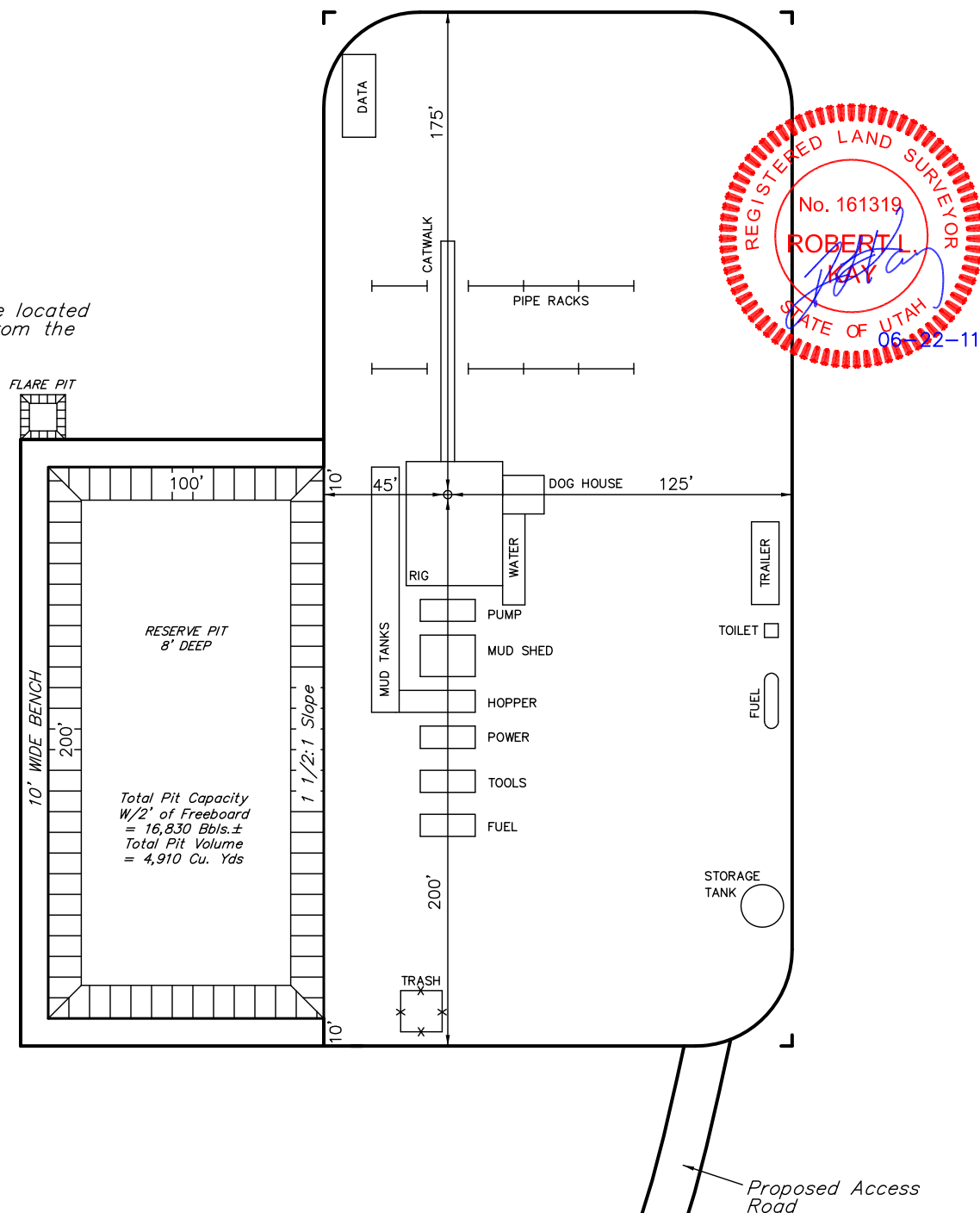
FIGURE #3



SCALE: 1" = 60'
DATE: 06-21-11
DRAWN BY: P.M.

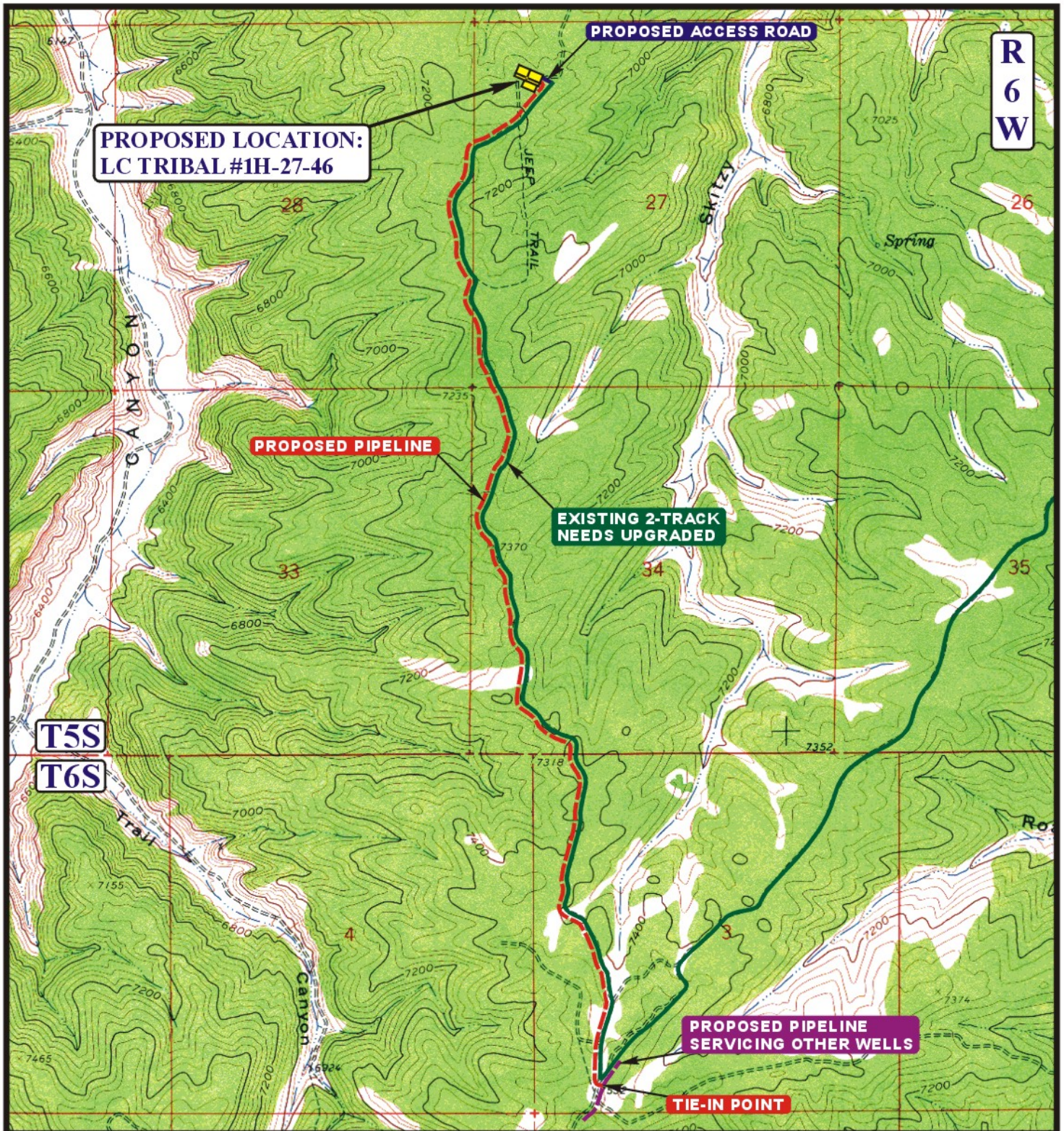
NOTE:

Flare Pit is to be located
a min. of 100' from the
Well Head.



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APPROXIMATE TOTAL PIPELINE DISTANCE = 16,465' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING 2-TRACK NEEDS UPGRADED
- - - - - PROPOSED PIPELINE
- - - - - PROPOSED PIPELINE (SERVICING OTHER WELLS)



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85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813



BILL BARRETT CORPORATION

LC TRIBAL #1H-27-46
SECTION 27, T4S, R6W, U.S.B.&M.
781' FNL 752' FWL

TOPOGRAPHIC
MAP

09 07 06
MONTH DAY YEAR

SCALE: 1" = 2000'

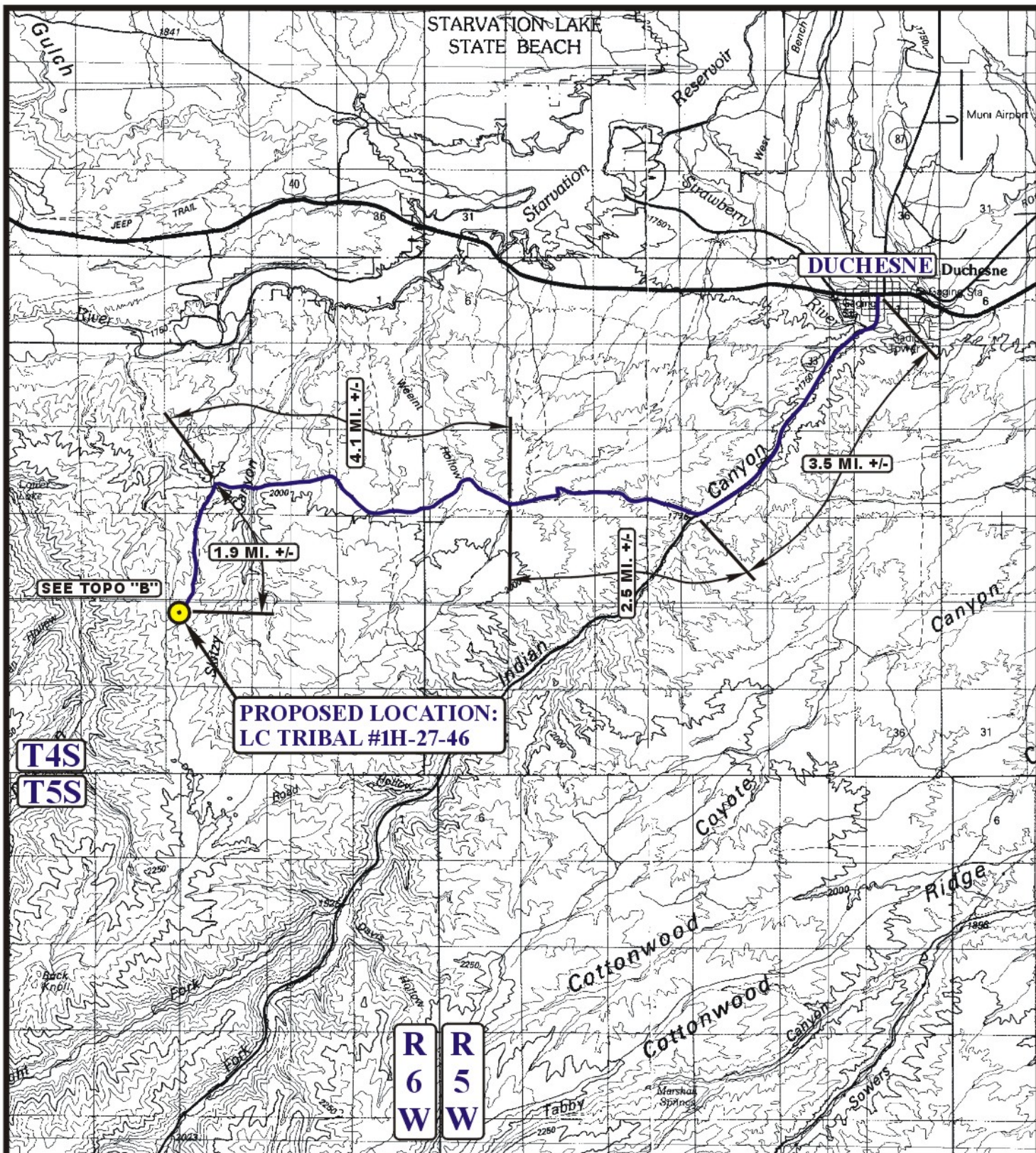
DRAWN BY: C.P.

REV: 06-22-11 J.J.

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LEGEND:

● PROPOSED LOCATION

BILL BARRETT CORPORATION

LC TRIBAL #1H-27-46
SECTION 27, T4S, R6W, U.S.B.&M.
781' FNL 752' FWL



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TOPOGRAPHIC
MAP

09 07 06
 MONTH DAY YEAR

SCALE: 1:100,000

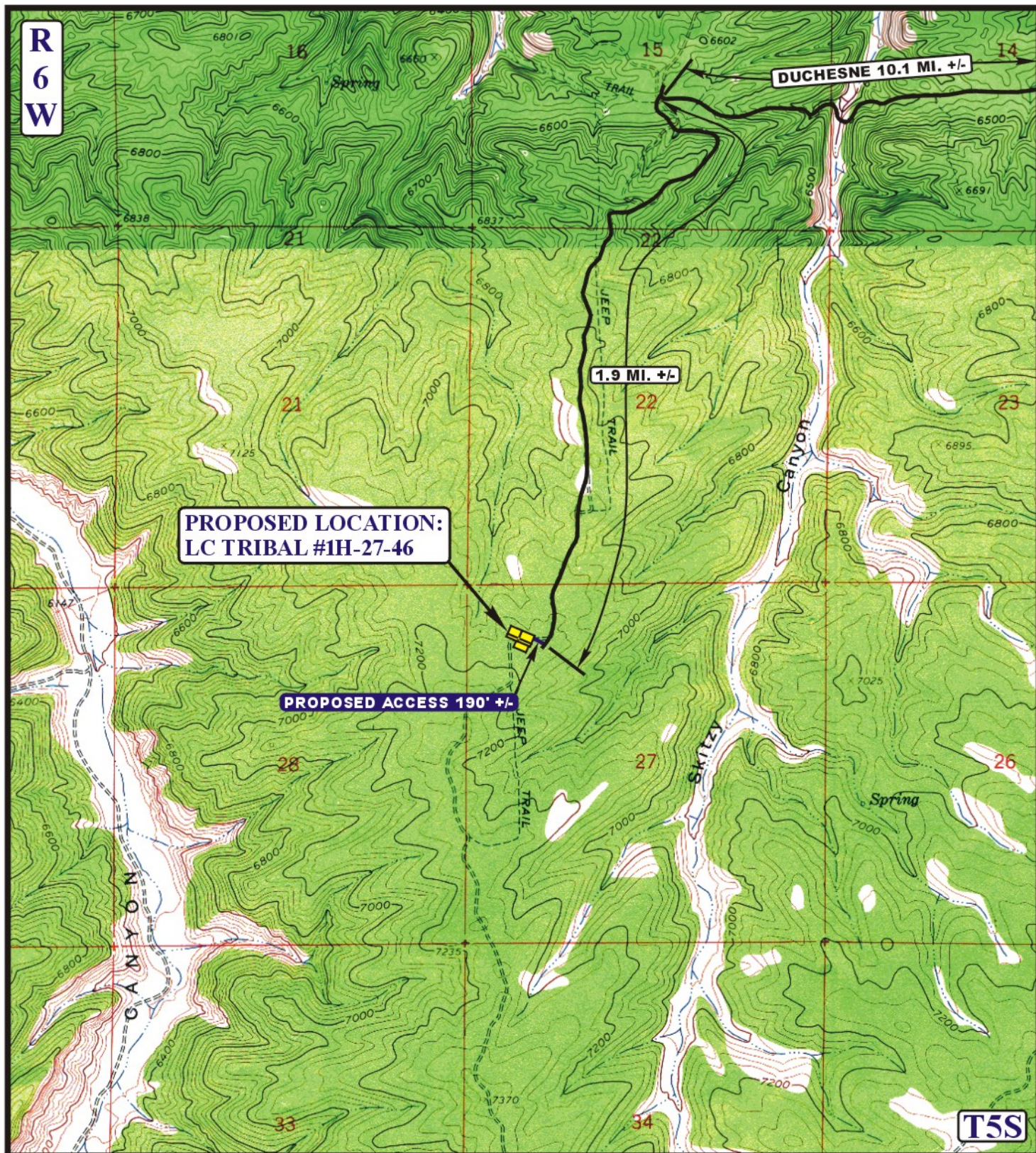
DRAWN BY: C.P.

REV:06-22-11 J.J.



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LEGEND:

————— EXISTING ROAD
 - - - - - PROPOSED ACCESS ROAD

BILL BARRETT CORPORATION

LC TRIBAL #1H-27-46
SECTION 27, T4S, R6W, U.S.B.&M.
781' FNL 752' FWL



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TOPOGRAPHIC
MAP

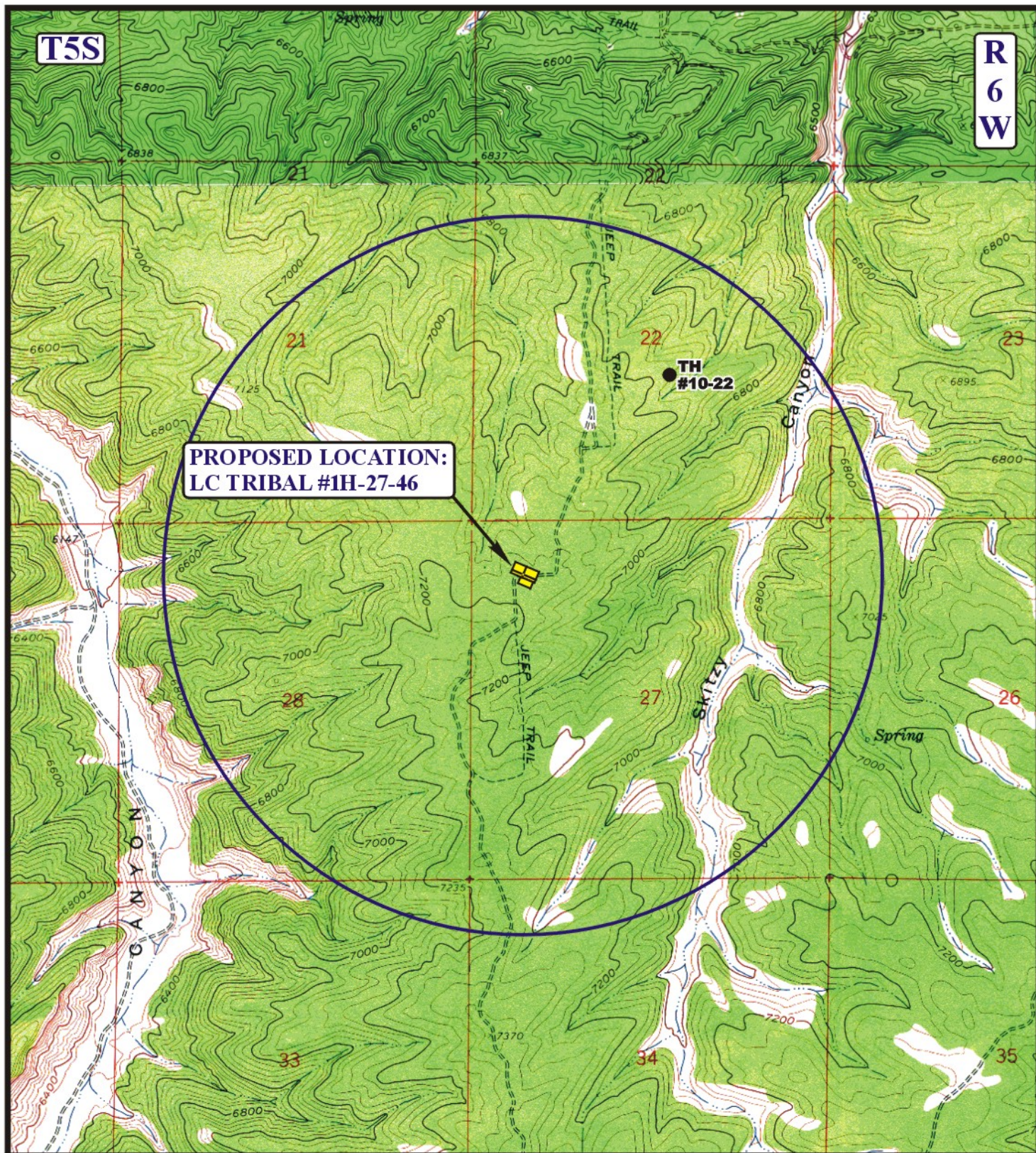
09 07 06
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REV: 06-22-11 J.J.

B
TOPO

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LEGEND:

- | | |
|-------------------|-------------------------|
| ⊗ DISPOSAL WELLS | ⊗ WATER WELLS |
| ● PRODUCING WELLS | ● ABANDONED WELLS |
| ● SHUT IN WELLS | ● TEMPORARILY ABANDONED |



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BILL BARRETT CORPORATION

LC TRIBAL #1H-27-46
SECTION 27, T4S, R6W, U.S.B.&M.
781' FNL 752' FWL

TOPOGRAPHIC
MAP

09 07 06
 MONTH DAY YEAR

SCALE: 1" = 2000'

DRAWN BY: C.P.

REV: 06-22-11 J.J.



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DRILLING PLAN

BILL BARRETT CORPORATION

LC Tribal 1H-27-46

SHL: NW NW, 781' FNL and 752' FWL, Section 27, T4S-R6W

BHL: NE NE, 800' FNL and 800' FEL, Section 27, T4S-R6W

Duchesne Co., UT

Bill Barrett Corporation (BBC) intends to drill a vertical "pilot hole" 200' into the Wasatch, obtaining open hole logs in the vertical portion of the wellbore. Once having successfully obtained log data for determination of lateral wellbore placement, BBC would then plug and abandon the vertical portion of the wellbore from 300' below to +/- 300' above the planned kick off point (600' cement plug). Once the cement plug has cured accordingly BBC would utilize the cement plug to side track the wellbore at kick off point. The lateral portion of the wellbore would then be drilled horizontally through the prospective zone within the Uteland Butte, as identified by open hole logs from the pilot hole.

1 - 3. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

VERTICAL – PILOT HOLE - FORMATION TOPS

<u>Formation</u>	<u>Depth – TVD</u>
Green River	1,967'
Mahogany	2,482'
TGR3	3,702'
Douglas Creek	4,502'
3 PT Marker	4,852'
Black Shale	5,267'
Castle Peak	5,502'
Uteland Butte (Penetration Point)	5,812'
CR1	5,857'
Wasatch	6,075'
TD	6,175'

The planned cement plug would extend from +/- 5600' back to 5000'

HORIZONTAL FORMATION TOPS

<u>Formation</u>	<u>Depth – MD</u>	<u>Depth - TVD</u>
Green River	1,967'	1,967'
Mahogany	2,482'	2,482'
TGR3	3,702'	3,702'
Douglas Creek	4,502'	4,502'
3 PT Marker	4,852'	4,852'
Black Shale	5,267'	5,267'
KOP	5321'	5321'
Castle Peak	5,505'	5,502'
Uteland Butte (Penetration Point)	5,910'	5,812'
*CR1	6,013'	5,857'
Landing Point	6204'	5894'
TD (CR1)	9,331'	5,987'

*PROSPECTIVE PAY

The Uteland Butte CR1 is the primary objective for oil/gas.

Drilling Plan
LC Tribal 1H-27-46
Duchesne Co., UT

4. Casing Program

<u>Hole Size</u>	<u>SETTING DEPTH</u> <u>(FROM)</u> <u>(TO)</u>		<u>Casing Size</u>	<u>Casing Weight</u>	<u>Casing Grade</u>	<u>Thread</u>	<u>Condition</u>
12-1/4"	surface	1,600'	9 5/8"	36.0 ppf	J or K 55	ST&C	New
8 3/4"	surface	6,200'	7"	23.0 ppf	P-110	LT&C	New
6 1/8"	surface	9,331'	4 1/2" Liner with 4-1/2" Tieback for frac	11.6	P-110	LT&C	New

5. Cementing Program

9 5/8" Surface Casing	Cement with approximately 600 sx Premium Plus – Type III cement with additives mixed at 14.8 ppg (yield = 1.35 ft ³ /sx), calculated hole volume with 100% excess. <i>Top out cement</i> , if required: 100 sx of Premium cement with additives mixed at 15.8 ppg (yield = 1.17 ft ³ /sk)
7" Intermediate Casing	<i>Lead</i> with approximately 315 sx HOWCO Light Premium cement with additives, mixed at 11.0 ppg (yield = 3.14 ft ³ /sx). <i>Tail</i> with approximately 280 sx Halliburton 50/50 POZ Premium cement with additives mixed at 13.5 ppg (yield = 1.46 ft ³ /sx). Planned TOC = 1000' above the KOP (tail).
4 1/2" Liner with 4-1/2" Tieback to surface	<i>No cement will be used in this section. Swell packers will be run to isolate the production hole from the intermediate casing section.</i>
Note: Top of Tail cement for the intermediate string will be calculated to 1000' above the KOP using gauge hole plus 50% excess. Lead surface.	

6. Mud Program

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u> <u>(API filtrate)</u>	<u>Remarks</u>
0' – 1,600'	8.4 – 8.8	26 – 36	NC	Freshwater Spud Mud Fluid System
1,600' – 3,000'	8.9 – 9.2	26 - 36	NC	Fresh Water with sweeps
3,000' – 6,200'	9.2 – 9.4	42 – 55	6 – 10	Fresh Water PHPA
6,200' – TD	9.0 – 9.5	45 – 58	4 – 10	Fresh Water PHPA
Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. BBC may require minor amounts of diesel to be added to its fluid system in order to reduce torque and drag.				

7. BOP and Pressure Containment Data

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 1,600'	No pressure control required
1,600' – TD	11" 5000# Ram Type BOP 11" 5000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary and choke manifold to be rated @ 5000 psi;	
- Ancillary equipment and choke manifold rated at 5,000#. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	

Drilling Plan
LC Tribal 1H-27-46
Duchesne Co., UT

- | |
|---|
| - The BLM and the State of Utah Division of Oil, Gas and Mining will be notified 24 hours in advance of all BOP pressure tests. |
| - BOP hand wheels may be underneath the sub-structure of the rig if the drilling rig used is set up to operate most efficiently in this manner. |

8. Auxiliary Equipment

- Upper kelly cock; lower Kelly cock will be installed while drilling
- Inside BOP or stab-in valve (available on rig floor)
- Safety valve(s) and subs to fit all string connections in use
- Mud monitoring will be visually observed

9. Testing, Logging and Core Programs

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	MWD as needed to land wellbore;
Logging	DIL-GR-SP, FDC-CNL-GR-CALIPER-Pe-Microlog, Sonic-GR (all TD to surface). FMI & Sonic Scanner to be run at geologist's discretion.
Note: All open hole logs would be run on the proposed "pilot hole" portion of the wellbore. FMI and CAL may be run on the lateral portion of the horizontal wellbore at the geologist's discretion.	

10. Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 2958 psi* and maximum anticipated surface pressure equals approximately 1641 psi** (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

**Maximum surface pressure = A - (0.22 x TD)

11. Location and Type of Water Supply

Water for the drilling and completion will be trucked from the Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W.

12. Drilling Schedule

Location Construction: September, 2011
Spud: September, 2011
Duration: 25 days drilling time
25 days completion time

Bill Barrett Corp

Duchesne County, UT (NAD 1927)

Sec. 27-T4S-R6W

LC Tribal #1H-27-46

Plan A Rev 0 (Lateral)

Plan: Plan A Rev 0 (Lateral) Proposal

Sperry Drilling Services

Proposal Report

19 July, 2011

Well Coordinates: 648,245.76 N, 2,264,294.18 E (40° 06' 33.40" N, 110° 33' 18.20" W)

Ground Level: 7,168.00 ft

Local Coordinate Origin:

Centered on Well LC Tribal #1H-27-46

Viewing Datum:

RKB 24' @ 7192.00ft (H&P 319)

TVDs to System:

N

North Reference:

True

Unit System:

API - US Survey Feet - Custom

Geodetic Scale Factor Applied

Version: 2003.16 Build: 431

HALLIBURTON

RECEIVED Jul. 20, 2011

Project: Duchesne County, UT (NAD 1927)
Site: Sec. 27-T4S-R6W
Well: LC Tribal #1H-27-46
Wellbore: Plan A Rev 0 (Lateral)
Design: Plan A Rev 0 (Lateral) Proposal

Bill Barrett Corp

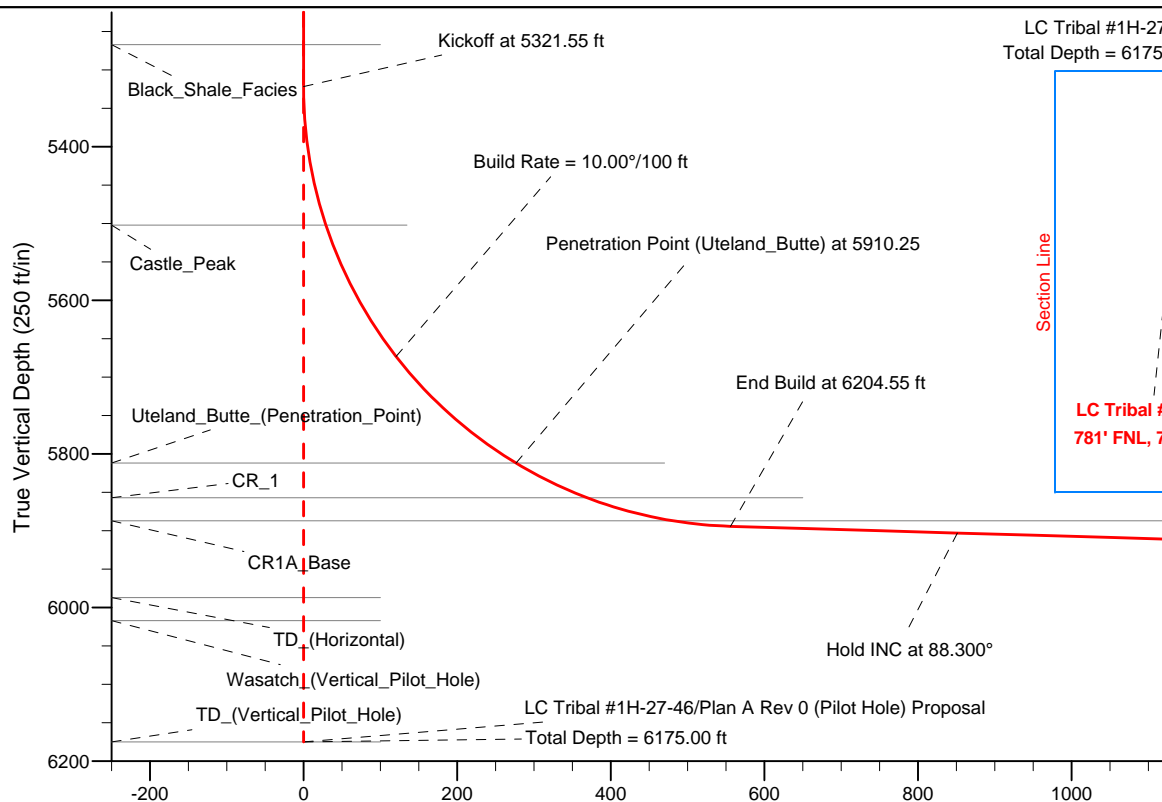
HALLIBURTON
Sperry Drilling

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	
2	5321.55	0.000	0.000	5321.55	0.00	0.00	0.00	0.00	0.00	
3	6204.55	88.300	90.171	5894.26	-1.66	555.96	10.00	90.17	555.96	
4	9330.86	88.300	90.171	5987.00	-11.01	3680.88	0.00	0.00	3680.90	LC Tribal #1H-27-46_Plan A Rev 0_BHL Tgt

West(-)/East(+) (1200 ft/in)

600 1200 1800 2400 3000 3600 4200



LC Tribal #1H-27-46/Plan A Rev 0 (Pilot Hole) Proposal
Total Depth = 6175.00 ft

800' FNL, 800' FEL

LC Tribal #1H-27-46_Plan A Rev 0_BHL Tgt

Section Line

Hold INC at 88.300°

90.171° Azimuth

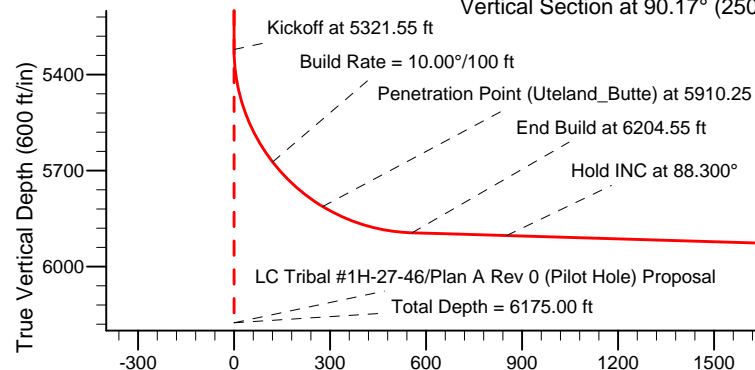
Total Depth = 9330.86 ft

LC Tribal #1H-27-46
781' FNL, 752' FWL

Sec. 27

Center Section Line

Vertical Section at 90.17° (250 ft/in)



WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
LC Tribal #1H-27-46_Section Lines		0.01		648245.77	2264294.18	40° 6' 33.401 N	110° 33' 18.202 W
LC Tribal #1H-27-46_SHL		0.01		648245.77	2264294.18	40° 6' 33.401 N	110° 33' 18.202 W
LC Tribal #1H-27-46_Plan A Rev 0_BHL Tgt	5987.00	-11.01	3680.88	648273.63	2267974.64	40° 6' 33.289 N	110° 32' 30.829 W

LC Tribal #1H-27-46_Plan A Rev 0_BHL Tgt

90.171° Azimuth

Total Depth = 9330.86 ft

WELL DETAILS: LC Tribal #1H-27-46

Northing	Ground Level:	7168.00	Longitude
648245.76	Easting	Latitude	110° 33' 18.202 W
2264294.18		40° 6' 33.401 N	

Plan A Rev 0 (Lateral) Proposal (LC Tribal #1H-27-46)

Created By: Jerry Popp

Date: 07/18/2011

Approved: _____

Date: _____

RECEIVED Jul. 20, 2011

Plan Report for LC Tribal #1H-27-46 - Plan A Rev 0 (Lateral) Proposal

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
0.00	0.000	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RKB 24' Elev=7192 (H&P 319)										
100.00	0.000	0.000	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.000	0.000	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.000	0.000	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.000	0.000	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.000	0.000	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.000	0.000	600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.000	0.000	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.000	0.000	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.000	0.000	900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.000	0.000	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.000	0.000	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.000	0.000	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.000	0.000	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.000	0.000	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.000	0.000	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.000	0.000	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.000	0.000	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.000	0.000	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.000	0.000	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,967.00	0.000	0.000	1,967.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Green River										
2,000.00	0.000	0.000	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.000	0.000	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.000	0.000	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.000	0.000	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.000	0.000	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,482.00	0.000	0.000	2,482.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mahogany										
2,500.00	0.000	0.000	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.000	0.000	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.000	0.000	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.000	0.000	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.000	0.000	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.000	0.000	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.000	0.000	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.000	0.000	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.000	0.000	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.000	0.000	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.000	0.000	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.000	0.000	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.000	0.000	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,702.00	0.000	0.000	3,702.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TGR3										
3,800.00	0.000	0.000	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.000	0.000	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.000	0.000	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.000	0.000	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.000	0.000	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.000	0.000	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.000	0.000	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.000	0.000	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,502.00	0.000	0.000	4,502.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Douglas Creek										
4,600.00	0.000	0.000	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.000	0.000	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.000	0.000	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Plan Report for LC Tribal #1H-27-46 - Plan A Rev 0 (Lateral) Proposal

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
4,852.00	0.000	0.000	4,852.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3PT_Marker										
4,900.00	0.000	0.000	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.000	0.000	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.000	0.000	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.000	0.000	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,267.00	0.000	0.000	5,267.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Black_Shale_Facies										
5,300.00	0.000	0.000	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,321.55	0.000	0.000	5,321.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kickoff at 5321.55 ft										
5,400.00	7.845	90.171	5,399.76	-0.02	5.36	5.36	10.00	10.00	0.00	90.17
5,500.00	17.845	90.171	5,497.13	-0.08	27.57	27.57	10.00	10.00	0.00	0.00
5,505.12	18.357	90.171	5,502.00	-0.09	29.16	29.16	10.00	10.00	0.00	0.00
Castle_Peak										
5,600.00	27.845	90.171	5,589.17	-0.20	66.34	66.34	10.00	10.00	0.00	0.00
5,700.00	37.845	90.171	5,673.08	-0.36	120.51	120.51	10.00	10.00	0.00	0.00
Build Rate = 10.00°/100 ft										
5,800.00	47.845	90.171	5,746.30	-0.56	188.42	188.42	10.00	10.00	0.00	0.00
5,900.00	57.845	90.171	5,806.62	-0.80	268.02	268.02	10.00	10.00	0.00	0.00
5,910.25	58.870	90.171	5,812.00	-0.83	276.75	276.75	10.00	10.00	0.00	0.00
Penetration Point (Uteland_Butte) at 5910.25 - Uteland_Butte (Penetration Point)										
6,000.00	67.845	90.171	5,852.20	-1.07	356.89	356.89	10.00	10.00	0.00	0.00
6,013.08	69.153	90.171	5,857.00	-1.10	369.06	369.06	10.00	10.00	0.00	0.00
CR_1										
6,100.00	77.845	90.171	5,881.66	-1.35	452.32	452.32	10.00	10.00	0.00	0.00
6,128.69	80.714	90.171	5,887.00	-1.43	480.51	480.51	10.00	10.00	0.00	0.00
CR1A_Base										
6,200.00	87.845	90.171	5,894.10	-1.65	551.41	551.41	10.00	10.00	0.00	0.00
6,204.55	88.300	90.171	5,894.26	-1.66	555.96	555.96	10.00	10.00	0.00	0.00
End Build at 6204.55 ft										
6,300.00	88.300	90.171	5,897.09	-1.94	651.37	651.37	0.00	0.00	0.00	0.00
6,400.00	88.300	90.171	5,900.05	-2.24	751.32	751.32	0.00	0.00	0.00	0.00
6,500.00	88.300	90.171	5,903.02	-2.54	851.28	851.28	0.00	0.00	0.00	0.00
Hold INC at 88.300°										
6,600.00	88.300	90.171	5,905.99	-2.84	951.23	951.24	0.00	0.00	0.00	0.00
6,700.00	88.300	90.171	5,908.95	-3.14	1,051.19	1,051.19	0.00	0.00	0.00	0.00
6,800.00	88.300	90.171	5,911.92	-3.44	1,151.14	1,151.15	0.00	0.00	0.00	0.00
6,900.00	88.300	90.171	5,914.89	-3.73	1,251.10	1,251.10	0.00	0.00	0.00	0.00
7,000.00	88.300	90.171	5,917.85	-4.03	1,351.05	1,351.06	0.00	0.00	0.00	0.00
7,100.00	88.300	90.171	5,920.82	-4.33	1,451.01	1,451.02	0.00	0.00	0.00	0.00
7,200.00	88.300	90.171	5,923.79	-4.63	1,550.97	1,550.97	0.00	0.00	0.00	0.00
7,300.00	88.300	90.171	5,926.75	-4.93	1,650.92	1,650.93	0.00	0.00	0.00	0.00
7,400.00	88.300	90.171	5,929.72	-5.23	1,750.88	1,750.88	0.00	0.00	0.00	0.00
7,500.00	88.300	90.171	5,932.69	-5.52	1,850.83	1,850.84	0.00	0.00	0.00	0.00
7,600.00	88.300	90.171	5,935.65	-5.82	1,950.79	1,950.80	0.00	0.00	0.00	0.00
7,700.00	88.300	90.171	5,938.62	-6.12	2,050.74	2,050.75	0.00	0.00	0.00	0.00
90.171° Azimuth										
7,800.00	88.300	90.171	5,941.59	-6.42	2,150.70	2,150.71	0.00	0.00	0.00	0.00
7,900.00	88.300	90.171	5,944.55	-6.72	2,250.65	2,250.66	0.00	0.00	0.00	0.00
8,000.00	88.300	90.171	5,947.52	-7.02	2,350.61	2,350.62	0.00	0.00	0.00	0.00
8,100.00	88.300	90.171	5,950.49	-7.31	2,450.57	2,450.58	0.00	0.00	0.00	0.00
8,200.00	88.300	90.171	5,953.45	-7.61	2,550.52	2,550.53	0.00	0.00	0.00	0.00
8,300.00	88.300	90.171	5,956.42	-7.91	2,650.48	2,650.49	0.00	0.00	0.00	0.00
8,400.00	88.300	90.171	5,959.39	-8.21	2,750.43	2,750.44	0.00	0.00	0.00	0.00
8,500.00	88.300	90.171	5,962.35	-8.51	2,850.39	2,850.40	0.00	0.00	0.00	0.00
8,600.00	88.300	90.171	5,965.32	-8.81	2,950.34	2,950.36	0.00	0.00	0.00	0.00
8,700.00	88.300	90.171	5,968.29	-9.10	3,050.30	3,050.31	0.00	0.00	0.00	0.00

HALLIBURTON

Duchesne County, UT (NAD 1927)

Plan Report for LC Tribal #1H-27-46 - Plan A Rev 0 (Lateral) Proposal

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	Toolface Azimuth (°)
8,800.00	88.300	90.171	5,971.25	-9.40	3,150.25	3,150.27	0.00	0.00	0.00	0.00
8,900.00	88.300	90.171	5,974.22	-9.70	3,250.21	3,250.22	0.00	0.00	0.00	0.00
9,000.00	88.300	90.171	5,977.19	-10.00	3,350.16	3,350.18	0.00	0.00	0.00	0.00
9,100.00	88.300	90.171	5,980.15	-10.30	3,450.12	3,450.14	0.00	0.00	0.00	0.00
9,200.00	88.300	90.171	5,983.12	-10.60	3,550.08	3,550.09	0.00	0.00	0.00	0.00
9,300.00	88.300	90.171	5,986.09	-10.89	3,650.03	3,650.05	0.00	0.00	0.00	0.00
9,330.86	88.300	90.171	5,987.00	-10.99	3,680.88	3,680.89	0.00	0.00	0.00	0.00
Total Depth = 9330.86 ft - LC Tribal #1H-27-46_Plan A Rev 0_BHL Tgt										

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
0.00	0.00	0.00	0.00	RKB 24' Elev=7192 (H&P 319)
5,321.55	5,321.55	0.00	0.00	Kickoff at 5321.55 ft
5,700.00	5,673.08	-0.36	120.51	Build Rate = 10.00°/100 ft
5,910.25	5,812.00	-0.83	276.75	Penetration Point (Uteland_Butte) at 5910.25
6,204.55	5,894.26	-1.66	555.96	End Build at 6204.55 ft
6,500.00	5,903.02	-2.54	851.28	Hold INC at 88.300°
7,700.00	5,938.62	-6.12	2,050.74	90.171° Azimuth
9,330.86	5,987.00	-10.99	3,680.88	Total Depth = 9330.86 ft

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (ft)
				+N/-S (ft)	+E/-W (ft)	
Target	LC Tribal #1H-27-46_Plan A Rev 0_BHL Tgt	90.171	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
0.00	9,330.86	Plan A Rev 0 (Lateral) Proposal	MWD

Casing Details

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
6,204.55	5,894.26	7" Casing Pt.	7	8-3/4

Plan Report for LC Tribal #1H-27-46 - Plan A Rev 0 (Lateral) Proposal**Formation Details**

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
	6,017.00	Wasatch_(Vertical_Pilot_Hole)			
	6,175.00	TD_(Vertical_Pilot_Hole)			
	5,987.00	TD_(Horizontal)			
1,967.00	1,967.00	Green_River			
2,482.00	2,482.00	Mahogany			
3,702.00	3,702.00	TGR3			
4,502.00	4,502.00	Douglas_Creek			
4,852.00	4,852.00	3PT_Marker			
5,267.00	5,267.00	Black_Shale_Facies			
5,505.12	5,502.00	Castle_Peak			
5,910.25	5,812.00	Uteland_Butte_(Penetration_Point)			
6,013.08	5,857.00	CR_1			
6,128.69	5,887.00	CR1A_Base			

Targets associated with this wellbore

Target Name	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Shape
LC Tribal #1H-27-46_Plan A Rev 0_BHL Tgt	5,987.00	-11.01	3,680.88	Point
LC Tribal #1H-27-46_SHL	0.00	0.01	0.00	Point
LC Tribal #1H-27-46_Section Lines	0.00	0.01	0.00	Polygon

North Reference Sheet for Sec. 27-T4S-R6W - LC Tribal #1H-27-46 - Plan A Rev 0 (Lateral)

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.

Vertical Depths are relative to RKB 24' @ 7192.00ft (H&P 319). Northing and Easting are relative to LC Tribal #1H-27-46

Coordinate System is US State Plane 1927 (Exact solution), Utah Central 4302 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866

Projection method is Lambert Conformal Conic (2 parallel)

Central Meridian is -111.50°, Longitude Origin: 0° 0' 0.000 E°, Latitude Origin: 40° 39' 0.000 N°

False Easting: 2,000,000.00ft, False Northing: 0.00ft, Scale Reduction: 0.99991025

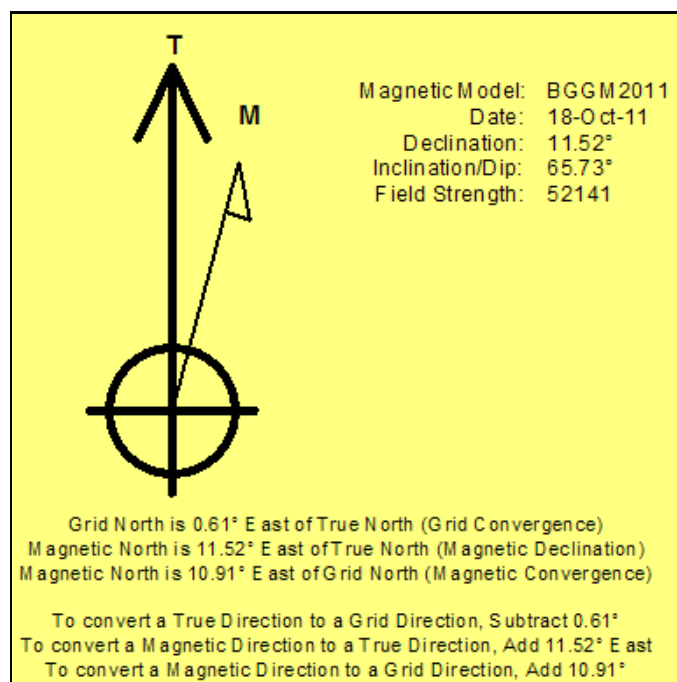
Grid Coordinates of Well: 648,245.76 ft N, 2,264,294.18 ft E

Geographical Coordinates of Well: 40° 06' 33.40" N, 110° 33' 18.20" W

Grid Convergence at Surface is: 0.61°

Based upon Minimum Curvature type calculations, at a Measured Depth of 9,330.86ft the Bottom Hole Displacement is 3,680.89ft in the Direction of 90.17° (True).

Magnetic Convergence at surface is: -10.91° (18 October 2011, , BGGM2011)



BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# Pete Martin Drilling
Submitted By Venessa Langmach Phone Number 303-312-8172
Well Name/Number LC Tribal 1H-27-46
Qtr/Qtr NW NW Section 27 Township 4S Range 6W
Lease Serial Number 1420H625500
API Number 4301333568

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 8/25/2011 8:00 AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
☐ Intermediate Casing
☐ Production Casing
☐ Liner
☐ Other

RECEIVED

AUG 23 2011

DIV. OF OIL, GAS & MINING

Date/Time _____ AM ☐ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks _____

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-5500
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: LC TRIBAL 1H-27-46
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0781 FNL 0752 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 27 Township: 04.0S Range: 06.0W Meridian: U		9. API NUMBER: 43013335680000
9. FIELD and POOL or WILDCAT: ALTAMONT		COUNTY: DUCHESNE
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 8/25/2011			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This well was spud on 8/25/2011 at 11:00 am by Pete Martin Drilling.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A	DATE 8/29/2011	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: Bill Barrett Corporation Operator Account Number: N 2165
Address: 1099 18th Street, Suite 2300
city Denver
state CO zip 80202 Phone Number: (303) 312-8172

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301333568	LC Tribal 1H-27-46		NWNW	27	4S	6W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	18175	8/25/2011		8/29/11		
Comments: Spudding Operation was conducted by Pete Martin Drilling at 11 am. <u>NHORN = WSTC</u> <u>BHL = SWNW</u>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301350574	5-7D-46 BTR		SWNW	7	4S	6W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	18176	8/25/2011		8/29/11		
Comments: Spudding Operation was conducted by Triple A Drilling at 11 am. <u>GR-WS</u> <u>BHL = SWNW</u>							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301350610	16-6D-45 BTR		SESE	6	4S	5W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	18177	8/26/2011		8/29/11		
Comments: Spudding Operation was conducted by Triple A Drilling at 10:00 am. <u>GR-WS</u>							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

RECEIVED

AUG 29 2011

Venessa Langmacher

Name (Please Print)

Venessa Langmacher

Signature

Sr Permit Analyst

Title

8/29/2011

Date

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-5500
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: LC TRIBAL 1H-27-46
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0781 FNL 0752 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 27 Township: 04.0S Range: 06.0W Meridian: U		9. API NUMBER: 43013335680000
9. FIELD and POOL or WILDCAT: ALTAMONT		COUNTY: DUCHESNE
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/31/2011			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 August 2011 Monthly Drilling Activity Report: well spud.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 9/6/2011	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-5500
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: LC TRIBAL 1H-27-46
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0781 FNL 0752 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 27 Township: 04.0S Range: 06.0W Meridian: U		9. API NUMBER: 43013335680000
9. FIELD and POOL or WILDCAT: ALTAMONT		COUNTY: DUCHESNE
STATE: UTAH		
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TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/30/2011	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
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	<input type="checkbox"/> TEMPORARY ABANDON	
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	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: 	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. No September 2011 monthly drilling activity to report.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 10/5/2011	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9																														
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NAME (PLEASE PRINT) Brady Riley		PHONE NUMBER 303 312-8115																														
SIGNATURE N/A		TITLE Permit Analyst																														
		DATE 11/4/2011																														

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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9. FIELD and POOL or WILDCAT: ALTAMONT		COUNTY: DUCHESNE
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/31/2011			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

 No October 2011 monthly drilling activity to report.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 11/4/2011	

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# HP319
Submitted By JET LORENZEN Phone Number 970-623-7078
Well Name/Number LC TRIBAL 1H-27-46
Qtr/Qtr NE/NE Section 27 Township 4S Range 6W
Lease Serial Number BIA - EDA - 2OG0005500
API Number 43-013-33568

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
☐ Intermediate Casing
☐ Production Casing
☐ Liner
☐ Other

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NOV 15 2011

DIV. OF OIL, GAS & MINING

Date/Time 11/11/2011 23:00 AM ☐ PM ☒

BOPE

- ☒ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

Date/Time 11/12/2011 15:00 AM ☐ PM ☒

Remarks _____

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
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	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. November 2011 Monthly Drilling Report attached.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 12/5/2011	

**LC Tribal 1H-27-46 11/7/2011 12:00 - 11/8/2011 06:00**

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
12:00	6.00	18:00	1	RIGUP & TEARDOWN	DIG DOWN ROTARY TOOLS.

LC Tribal 1H-27-46 11/8/2011 06:00 - 11/9/2011 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	---------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	12.00	18:00	1	RIGUP & TEARDOWN	RIG DN AND MOVE BACK YARD. RIG BACK UP. 1 CRANE ON LOC 1:30 PM. WILL START TO MOVE DERRICK AND SUB TOMMOROW.

LC Tribal 1H-27-46 11/9/2011 06:00 - 11/10/2011 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
-------------------------	------------------------	--------------------	---	---------------------------	-------------------------------	---

Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	12.00	18:00	1	RIGUP & TEARDOWN	RIG DN SUB, MOVE, RIG UP SUB. WILL PUT UP DOG HOUSE AND DERRICK TODAY AND RIG UP.

LC Tribal 1H-27-46 11/10/2011 06:00 - 11/11/2011 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	21.00	03:00	1	RIGUP & TEARDOWN	RIG UP, PUT DERRICK ON FLOOR AND RAISE @ 13:00 HR. RIG UP CAT WALK DOCK TOP DRIVE. ELECTRICIAN REPLACING TOP DRIVE CABLES.
03:00	2.00	05:00	14	NIPPLE UP B.O.P	NIPPLE UP CONDUCTOR
05:00	1.00	06:00	6	TRIPS	PICK UP BHA

LC Tribal 1H-27-46 11/11/2011 06:00 - 11/12/2011 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.25	07:15	6	TRIPS	PICK UP BHA
07:15	0.50	07:45	7	LUBRICATE RIG	RIG SERVICE
07:45	0.25	08:00	5	COND MUD & CIRC	FILL PIPE, TAG BOTTOM @ 104'
08:00	10.00	18:00	2	DRILL ACTUAL	DRLG 12 1/4" HOLE F/ 104 TO 1205' (1101' IN 10 HR = 110.1 FPH) SLIDE: 85' IN 1 HR = 85 FPH, ROTATE: 1016' IN 9 HR = 112.9 FPH. MM 8" SPERRYDRILL 6/7 LOBE 4.0 STAGE. 17 GPR 1.5 DEG FIXED 5.80' BTB.
18:00	4.00	22:00	2	DRILL ACTUAL	DRLG F/ 1205' TO 1636 (431' IN 2 HR = 215.5 FPH) SLIDE: 36' IN .5 HR = 72 FPH. ROTATE: 395' IN 1.5 112.9 FPH. LOST RETURN @ 1626'
22:00	3.00	01:00	5	COND MUD & CIRC	MIX LCM, PUMP DOWN BACK SIDE W/ UP TO 50% LCM, STAGE PUMPS UP LOST 1,000 BLS OF MUD.
01:00	4.00	05:00	2	DRILL ACTUAL	DRLG F/ 1636 TO 1875 (239' IN 4 HR = 59.75 FPH) SLIDE: 21' IN 1 HR = 21 FPH. ROTATE: 218' IN 3 HR = 72.7 FPH. DRLG W/ 675 GPM. 20 20% LCM 8.4# 42 VIS. 7.5' F/ CENTER
05:00	0.50	05:30	5	COND MUD & CIRC	CIRC F/ CASING
05:30	0.50	06:00	6	TRIPS	SHORT TRIP TO DCS.

**LC Tribal 1H-27-46 11/12/2011 06:00 - 11/13/2011 06:00**

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	1.25	07:15	6	TRIPS	SHORT TRIP	
07:15	0.50	07:45	5	COND MUD & CIRC	CIRC. COND F/ CASING	
07:45	3.00	10:45	6	TRIPS	TOOH, L/D 8" TOOLS	
10:45	3.00	13:45	12	RUN CASING & CEMENT	HSM, RIG UP WEATHERFORD AND RUN CASING. FS (1.00), SHOE JT (44.35), FC (1.00), 42 JTS 9 5/8" 36# ST&C CASING (1828.29). LANDED 1870. MADE UP W/ BESTOLIFE DOPE TO 2960 FT/LB.	
13:45	0.50	14:15	5	COND MUD & CIRC	CIRC. CASING W/ RIG PUMP.	
14:15	2.25	16:30	12	RUN CASING & CEMENT	HSM, RIG HES AND CEMENT. 20 BLS H2O, 40 BLS SUPER FLUSH, 30 BL H2O, 270 SK EXTENDACHEM 11# 3.16 YEILD W/ .125 LB POLY-E FLAKE, .25 LB KWIK SEAL, TAILED W/ 250 SKS PREMIUM PLUS TYPE III 14.8# 6.31 YEILD W/ .125 POLY-E-FLAKE, DISPLACED W/ 141 BL H2O. BUMP PLUG . FLOATS HELD. GOT 86 BLS OF CEMENT O SURFACE. GOOD RETURNS ON WHOLE JOB. CEMENT FELL 10' IN 10 MINS.	
16:30	0.50	17:00	15	TEST B.O.P	TEST CASING TO 1500# F/ 10 MINS.	
17:00	1.50	18:30	13	WAIT ON CEMENT	WOC	
18:30	1.00	19:30	12	RUN CASING & CEMENT	TOP OUT W/ CEMENT. PUMP 6 BLS OF G CEMENT W/ 2.5%	
19:30	2.50	22:00	13	WAIT ON CEMENT	WOC	
22:00	4.00	02:00	14	NIPPLE UP B.O.P	WELD ON WELL HEAD	
02:00	2.50	04:30	14	NIPPLE UP B.O.P	NIPPLE UP BOP	
04:30	1.50	06:00	15	TEST B.O.P	TEST BOPS. TEST ALL RAMS AND VALVE TO 5000# F/ 10 MINS. TEST ANNULAR TO 2500# F/ 10 MINS.	

LC Tribal 1H-27-46 11/13/2011 06:00 - 11/14/2011 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	2.00	08:00	15	TEST B.O.P	FISH TESTING BOP	
08:00	0.25	08:15	14	NIPPLE UP B.O.P	INSTALL WEAR BUSHING	
08:15	2.50	10:45	6	TRIPS	PICK UP BHA, TIH, INSTALL ROTATING HEAD	
10:45	1.00	11:45	21	OPEN	X/O SWIVEL PACKING	
11:45	0.25	12:00	6	TRIPS	TIH	
12:00	1.50	13:30	21	OPEN	DRLG OUT SHOE TRACK	
13:30	0.25	13:45	15	TEST B.O.P	EMW 147# W/ 9# MUD @ 1880' NO LOSS IN PRESSURE	
13:45	7.50	21:15	2	DRILL ACTUAL	DRLG 8 3/4" INTER. HOLE F/ 1875' TO 2929' (1054' IN 7.5 HR = 140.1 FPH) SLIDE: 75' IN 1.25 HR = 60 FPH, ROTATE: 979' IN 6.25156.4 FPH. MM HUNTING 6 3/4" 7/8 LOBE 2.9 STAGE .15 RPG 1.5 FIXED 6.25 BTB. LOST RETURNS @ 2929	
21:15	1.25	22:30	5	COND MUD & CIRC	MIX 30% LCM PILL SPOT AROUND DCS. STAG UP PUMP STARTING AT 30 STKS. LOST 700 BL	
22:30	1.00	23:30	2	DRILL ACTUAL	DRLG F/ 2929' TO 2976' (47' @ 47 FPH) SLIDE: 6' IN .25 HR = 24 FPH, ROTATE: 41' IN .75 HR = 54.7 FPH. LOST RETURNS.	
23:30	3.25	02:45	5	COND MUD & CIRC	MIX LCM PILL SPOT AROUND DCS. FILL F/TOP. STAGE UP PUMPS. LOST 700 BL	
02:45	2.75	05:30	2	DRILL ACTUAL	DRLG 2976' TO 3096' (120' IN 2.75 HR = 43.6 FPH) SLIDE: 6' IN .5 HR = 12 FPH, ROTATE: 114' IN 2.25 HR = 50.6 FPH. LOST RETURNS. DRLG W/ 22% LCM.	
05:30	0.50	06:00	5	COND MUD & CIRC	MIX LCM AND SPOT.	

LC Tribal 1H-27-46 11/14/2011 06:00 - 11/15/2011 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	1.00	07:00	5	COND MUD & CIRC	PUMP DOWN BACK SIDE. STAGE PUMP BACK UP	

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
07:00	9.75	16:45	2	DRILL ACTUAL	DRLG F/3096 TO 4058' (962' IN 9.75 HR = 98.7 FPH) SLIDE: 30' IN 1 HR = 30 FPH, 932' IN 8.75 HR = 106.5 FPH. MM HUNTING 6 3/4" 7/8 LOBE 2.9 STAGE .15 RPG 1.5 FIXED 6.25 BTB.
16:45	0.50	17:15	7	LUBRICATE RIG	RIG SERVICE
17:15	12.75	06:00	2	DRILL ACTUAL	DRLG F/ 4058' TO 5374' (1216' IN 12.25 HR = 99.3 FPH) SLIDE: 86' IN 2.5 HR = 34.4 FPH, ROTATE: 1130' IN 9.75 HR = 115.9 FPH.

LC Tribal 1H-27-46 11/15/2011 06:00 - 11/16/2011 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	4.00	10:00	2	DRILL ACTUAL	DRLG F/ 5374 TO 5886' (512' IN 4 HR = 128 FPH) ROTATING MM HUNTING 6 3/4" 7/8 LOBE 2.9 STAGE .15 RPG 1.5 FIXED 6.25 BTB.
10:00	0.50	10:30	7	LUBRICATE RIG	RIG SERVICE, REPAIR MUD LINE
10:30	4.25	14:45	2	DRILL ACTUAL	DRLG F/ 5886' TO 6367' @ 113.2 FPH ROTATING.
14:45	0.75	15:30	5	COND MUD & CIRC	CIRC BOTTOMS UP PUMP DRY SLUG
15:30	0.50	16:00	6	TRIPS	TOOH F/ PLUG BACK STRING
16:00	0.50	16:30	20	DIRECTIONAL WORK	RELOG F/ 5210 TO 5245
16:30	3.00	19:30	6	TRIPS	TOOH, L/D DCS AND DIRC, TOOLS
19:30	4.25	23:45	6	TRIPS	CHANGE ELEVATORS P/U 27 JTS 2 7/8" TUBING, X/O ELEVATORS, TIH
23:45	0.50	00:15	5	COND MUD & CIRC	CIRC. COND F/ CEMENT
00:15	1.25	01:30	12	RUN CASING & CEMENT	HSM, PUMP 10 H2O, 25 BLS TUNED SPACER, 400 SKS G CEMENT 17.5# .94 YEILD. DIPLACE W/ 5 BLS TUNED SPACER, 56.3 BLS MUD. BOTTOM OF TUBING 5625'
01:30	1.25	02:45	6	TRIPS	TOOH, 40 FT/MIN TO 4500' STOP @ 4000'.
02:45	0.50	03:15	5	COND MUD & CIRC	CIRC 2 BOTTOMS UP
03:15	2.75	06:00	6	TRIPS	TOOH, L/ 2 7/8" TUBING

LC Tribal 1H-27-46 11/16/2011 06:00 - 11/17/2011 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.25	07:15	6	TRIPS	MAKE UP BIT AND BIT SUB TIH TO SHOE & FILL STRING.
07:15	0.50	07:45	7	LUBRICATE RIG	ROUTINE RIG SERVICE, CHANGE GRABBER DIES.
07:45	1.25	09:00	6	TRIPS	RIH TO 4200' & FILL STRING.
09:00	1.00	10:00	5	COND MUD & CIRC	CIRCULATE & SCREEN OUT LCM ADDING FRESH AT SUCTION DUE TO HIGH MUD WT.
10:00	0.50	10:30	6	TRIPS	RIH & TAG CEMENT PLUG AT 4830'. FILL STRING.
10:30	1.50	12:00	3	REAMING	DRILL SOFT CEMENT 4830-5200'. LOST RETURNS & FLOWLINE PLUGGED. HOLE STANDING FULL, BUT WON'T CIRCULATE.
12:00	1.50	13:30	22	OPEN	INSTALL ROTATING RUBBER & UNPLUG FLOWLINE.
13:30	2.50	16:00	6	TRIPS	POH WET TO SHOE.
16:00	0.50	16:30	5	COND MUD & CIRC	ATTEMPT TO CIRCULATE W/O SUCCESS. NO RETURNS.
16:30	0.25	16:45	6	TRIPS	POH WET TO 1000'.
16:45	0.50	17:15	5	COND MUD & CIRC	CIRCULATE OUT & DUMP CONTAMINATED MUD FROM 1000'.
17:15	0.50	17:45	6	TRIPS	RIH TO 2000'.
17:45	0.50	18:15	5	COND MUD & CIRC	CIRCULATE OUT & DUMP CONTAMINATED MUD FROM 2000'.
18:15	0.50	18:45	6	TRIPS	RIH TO 3000'.
18:45	0.75	19:30	5	COND MUD & CIRC	CIRCULATE OUT CONTAMINATED MUD.
19:30	0.50	20:00	6	TRIPS	RIH TO 4000'.
20:00	0.50	20:30	5	COND MUD & CIRC	ATTEMPT TO CIRCULATE OUT CONTAMINATED MUD, BUT COULD NOT CIRCULATE, NO RETURNS.
20:30	0.50	21:00	6	TRIPS	PULL 5 STANDS TO 3500'.
21:00	1.50	22:30	5	COND MUD & CIRC	ESTABLISH CIRCULATION & CIRCULATE OUT CONTAMINATED MUD. MIX LCM & BUILD MUD VOLUME.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
22:30	4.00	02:30	5	COND MUD & CIRC	STAGE BACK TO 5200' IN 5 STAND INCREMENTS CIRCULATING OUT AT EACH STAGE & MAINTAINING CIRCULATION.
02:30	2.75	05:15	3	REAMING	POLISH OFF CEMENT PLUG 5200-5290'. ROP ~30 FPH W/15K WOB & 80 RPM. ROP ~60 FPH W/20K WOB & 80 RPM.
05:15	0.75	06:00	5	COND MUD & CIRC	CIRCULATE HOLE CLEAN WHILE DISPLACING OLD CONTAMINATED MUD OUT W/NEW MUD.

LC Tribal 1H-27-46 11/17/2011 06:00 - 11/18/2011 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	5	COND MUD & CIRC	CIRCULATE HOLE CLEAN & DISPLACE TO NEW MUD.
07:00	2.50	09:30	6	TRIPS	POH WHILE CLEANING MUD TANKS & BUILDING NEW MUD VOLUME.
09:30	5.00	14:30	6	TRIPS	PICK UP SPERRY TOOLS, SCRIBE MOTOR TO MWD & MAKE UP BIT #3. RIH TO 5280'. FILLED STRING AT SHOE & 3600' & TEST MWD.
14:30	2.75	17:15	2	DRILL ACTUAL	SIDETRACK 5290-5321'. MIXING ~500 LBS LCM/HR AS PREVENTATIVE. LOST RETURNS AT 5319'.
17:15	0.25	17:30	22	OPEN	REMOVE ROTATING RUBBER & INSTALL TRIP NIPPLE.
17:30	0.75	18:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 CURVE 5321-5331'. REGAINED RETURNS AT 5324'. BYPASSING SHAKERS & BUILDING LCM TO 15%.
18:15	1.00	19:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5331-5363'.
19:15	0.50	19:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5363-5380'.
19:45	0.75	20:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5380-5401'.
20:30	0.25	20:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5401-5411'.
20:45	0.50	21:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5411-5436'.
21:15	0.25	21:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5436-5443'.
21:30	0.50	22:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5443-5460'.
22:00	0.25	22:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5460-5474'.
22:15	0.75	23:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5474-5491'.
23:00	0.25	23:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5491-5505'.
23:15	0.50	23:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5505-5522'.
23:45	0.25	00:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5522-5537'.
00:00	0.50	00:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5537-5558'.
00:30	0.50	01:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5558-5567'.
01:00	0.50	01:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5567-5587'.
01:30	0.25	01:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5587-5600'.
01:45	0.50	02:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5600-5620'.
02:15	0.50	02:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5620-5631'.
02:45	0.50	03:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5631-5652'.
03:15	0.25	03:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5652-5661'.
03:30	0.75	04:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5661-5681'.
04:15	0.25	04:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5681-5694'.
04:30	0.50	05:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5694-5714'.
05:00	0.50	05:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5714-5725'.
05:30	0.50	06:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5725-5740'.

LC Tribal 1H-27-46 11/18/2011 06:00 - 11/19/2011 06:00

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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.25	06:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5740-5745'.
06:15	0.75	07:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5745-5756'.
07:00	0.50	07:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5756-5778'.
07:30	0.25	07:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5778-5789'.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
07:45	1.25	09:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5789-5812'. SCREEN OUT LCM & ADD 1200 LB/HR FRESH LCM.
09:00	0.25	09:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5812-5819'.
09:15	1.25	10:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5819-5844'.
10:30	0.25	10:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5844-5849'.
10:45	1.00	11:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5849-5872'.
11:45	0.25	12:00	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5872-5881'.
12:00	0.25	12:15	20	DIRECTIONAL WORK	TROUBLESHOOT MWD. LOST COMM, CHANGE CHANNELS.
12:15	1.00	13:15	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5881-5901'.
13:15	0.25	13:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5901-5912'.
13:30	1.00	14:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5912-5932'.
14:30	0.25	14:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5932-5941'.
14:45	0.50	15:15	7	LUBRICATE RIG	ROUTINE RIG SERVICE. HELD BOP DRILL - 68 SEC RESPONSE.
15:15	1.25	16:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 5941-5967'.
16:30	0.25	16:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 5967-5975'.
16:45	1.50	18:15	2	DRILL ACTUAL	SLIDE DRILL 5975-6000'.
18:15	0.25	18:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 6000-6006'.
18:30	1.50	20:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 6006-6026'.
20:00	0.25	20:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 6026-6036'.
20:15	1.25	21:30	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 6036-6055'.
21:30	0.25	21:45	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 6055-6068'.
21:45	1.00	22:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 6068-6082'.
22:45	0.75	23:30	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 6082-6098'.
23:30	0.50	00:00	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 6098-6101'.
00:00	0.50	00:30	20	DIRECTIONAL WORK	MWD LOST COMMUNICATION. CHANGE CHANNEL TO SLOWEST SPEED.
00:30	1.25	01:45	2	DRILL ACTUAL	SLIDE DRILL 8 3/4 HOLE 6101-6112'.
01:45	2.50	04:15	2	DRILL ACTUAL	ROTATE DRILL 8 3/4 HOLE 6112-6219' (TD). LOST RETURNS AT 6217'. OBSERVED HIGH TORQUE & HIGHER THAN NORMAL GAS AT TIME OF LOSSES.
04:15	1.75	06:00	5	COND MUD & CIRC	SLOW PUMP TO 158 GPM & MIX LCM, BUILD VOLUME. BYPASS SHAKERS.

LC Tribal 1H-27-46 11/19/2011 06:00 - 11/20/2011 06:00

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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.00	09:00	5	COND MUD & CIRC	PUMP DOWNHOLE @ 135 GPM WHILE MIXING LCM & BUILDING MUD VOLUME. SPOT 50 BBL 30% LCM ON BOTTOM. MUD LEVEL IN HOLE RISING & FALLING, BUT NOT CIRCULATING. SPOT 50 BBL 30% LCM PILL ON BOTTOM.
09:00	1.75	10:45	6	TRIPS	POH TO 2900'. NO EXCESS DRAG. HOLE REMAINING FULL & OVERFLOWING WHEN FILLING.
10:45	0.50	11:15	5	COND MUD & CIRC	SPOT 50 BBL 30% LCM PILL. ALMOST FULL RETURNS WHILE SPOTTING PILL.
11:15	3.50	14:45	6	TRIPS	POH & LAY DOWN SPERRY TOOLS.
14:45	2.00	16:45	6	TRIPS	MAKE UP 8 5/8 TANDEM REAMER BHA & RIH TO SHOE. OBSERVING FULL RETURNS WHILE RIH.
16:45	0.25	17:00	5	COND MUD & CIRC	BREAK CIRCULATION (FULL RETURNS) & BLOW DOWN TOP DRIVE.
17:00	1.00	18:00	9	CUT OFF DRILL LINE	SLIP/CUT 14 WRAPS DRILLING LINE.
18:00	2.25	20:15	6	TRIPS	RIH TO 5700'.
20:15	5.00	01:15	3	REAMING	STAGE UP PUMPS SLOWLY TO 600 GPM. REAM 5270-6219' W/100 RPM @ 300-350 FPH. AT ~5940', INCREASED PUMPS TO 850 GPM. MW 8.9, 15% LCM. NO LOSSES.
01:15	1.50	02:45	5	COND MUD & CIRC	RIG UP LAY DOWN TRUCK WHILE CIRCULATING HOLE CLEAN. SHAKERS BYPASSED.
02:45	1.75	04:30	6	TRIPS	BLOW DOWN TOP DRIVE. POH LAYING DOWN DRILL STRING.
04:30	0.50	05:00	22	OPEN	REPAIR LAY DOWN TRUCK - RUNNING HOT.
05:00	1.00	06:00	6	TRIPS	CONTINUE TO POH LAYING DOWN DRILL STRING.

**LC Tribal 1H-27-46 11/20/2011 06:00 - 11/21/2011 06:00**

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.25	08:15	6	TRIPS	FINISH LAY DOWN STRING.
08:15	0.50	08:45	14	NIPPLE UP B.O.P	PULL WEAR BUSHING.
08:45	1.25	10:00	12	RUN CASING & CEMENT	RIG UP KIMZEY CASING TOOLS, HYDRAULIC SLIPS & TOP DRIVE XO.
10:00	7.00	17:00	12	RUN CASING & CEMENT	MAKE UP 2 JT SHOE TRACK & RUN 140 JTS + HANGER & LANDING JT OF 7" 23#, HCP-110, LTC, R3 CASING W/DV COLLAR & ECP. THREADLOCKED ALL JTS THRU TOP OF FLOAT COLLAR & BOTTOM/TOP OF DV COLLAR. LANDED CASING AT 17:00 HRS. DEPTHS: SHOE @ 6203' FLOAT COLLAR 6109' ECP @ 2501' DV @ 3717'
17:00	3.75	20:45	12	RUN CASING & CEMENT	DRAINED BOP & VISUALLY CHECK THAT HANGER IN CORRECT PLACE. MAKE UP TOP DRIVE TO CASING & CIRCULATE CASING WHILE RIG DOWN LAY DOWN TRUCK & CASING TOOLS & MIRU HALLIBURTON CEMENTERS. COMMENCED SHAKING OUT LCM. HAD GOOD RETURNS FOR ~15 MIN & BEGAN TO LOSE MUD. SLOW PUMP, PICK UP HANGER 1'. STILL NO RETURNS. RE-LAND HANGER.
20:45	2.25	23:00	12	RUN CASING & CEMENT	INSTALL HOWCO CEMENT HEAD & LINE. TEST LINE TO 5000 PSI. HOWCO PUMPED STAGE 1: 10 BBL WATER, 40 BBL SUPERFLUSH 101 @ 9.2 PPG, 10 BBL WATER, 175 SX (76 BBL) TUNED LIGHT + 0.125 PPS POLY-E-FLAKE + 1 PPS GRANULITE AT 11 PPG FOLLOWED BY 310 SX (82 BBL) ECONOCEM + 0.125 PPS POLY-E-FLAKE + 1 PPS GRANULITE AT 13.5 PPG. DISPLACED W/236 BBL WATER. BUMPED PLUG & STAGED UP PRESSURE TO 3500 PSI & INFLATED ECP. CIP @ 22:53 HRS. FLOATS HELD.
23:00	2.00	01:00	12	RUN CASING & CEMENT	DROPPED BOMB, WAIT 15 MIN & OPEN DV COLLAR W/900 PSI. CIRCULATE (GOOD RETURNS) 20 BBL WATER, 40 BBL SUPERFLUSH 101 @ 9.2 PPG, 10 BBL WATER. CEMENTED W/150 SX (62 BBL) TUNED LIGHT + 0.125 PPS POLY-E-FLAKE + 1 PPS GRANULITE AT 11 PPG & 100 SX (20 BBL) CLASS G PREM + 0.2% BWOC HALAD-322 AT 15.8 PPG. DROPPED SHUT-OFF PLUG. DISPLACED W/97.5 BBL WATER. BUMPED PLUG W/1800 PSI OVER FDP, TOTAL PRESSURE 2800 PSI. HELD 3 MIN, BLEED OFF, DV NOT CLOSED. RE-PRESSURE TO 2900 PSI, HELD 4 MIN, BLEED OFF 1.2 BBL & DV CLOSED. OBSERVED 10 BBL CEMENT CONTAMINATED WATER BACK TO SURFACE. CIP @ 00:40 HRS.
01:00	1.50	02:30	12	RUN CASING & CEMENT	RIG DOWN HOWCO HEAD/LINE/TRUCKS & MOVE OUT. DRAIN BOP & WASH THRU W/SUGAR WATER. BACK RUNNING TOOL OFF OF CASING HANGER & LAY DOWN LANDING JT.
02:30	2.75	05:15	14	NIPPLE UP B.O.P	MAKE UP PACKOFF ON ONE 4 3/4 DC & LAND PACKOFF. MAKE UP TIE-DOWN SCREWS. CHANGE PIPE RAMS TO 3 1/2". DRESS TOP DRIVE FOR 3 1/2 IF.
05:15	0.75	06:00	15	TEST B.O.P	RIG UP TESTER & TEST PACKOFF, 3 1/2 PIPE RAMS & DOOR SEALS TO 250/5000 PSI FOR 10 MIN EACH TEST.

LC Tribal 1H-27-46 11/21/2011 06:00 - 11/22/2011 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	15	TEST B.O.P	FINISH TEST BOP.
07:00	1.25	08:15	6	TRIPS	RIG UP KIMZEY LAY DOWN TRUCK.
08:15	2.75	11:00	6	TRIPS	MAKE UP NEW BIT #4 (STC, 6 1/8, XR+, SN PT 4913 W/3 X 18), BIT SUB & 9 X 4 3/4 DC. PICK UP & RUN IN 24 MORE 4 3/4 DC & PULL OUT STANDING BACK.
11:00	1.00	12:00	6	TRIPS	STRAP DP ON RACK.
12:00	1.75	13:45	6	TRIPS	PICK UP 3 1/2 DP TO 2487'. TAG DV COLLAR.
13:45	1.00	14:45	3	REAMING	MAKE UP TOP DRIVE, FILL STRING & DRILL OUT PLUG & DV COLLAR 2487-2490'. REAM THRU DV TWICE.
14:45	1.25	16:00	6	TRIPS	RIH PICKING UP 3 1/2 DP TO FLOAT COLLAR @ 4140'. LINE ON LAY DOWN TRUCK BAD.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
16:00	0.75	16:45	22	OPEN	RIG DOWN LAY DOWN EQUIP FROM RIG FLOOR.
16:45	2.25	19:00	6	TRIPS	CONTINUE TO RIH PICKING UP 3 1/2 DP TO 5233'.
19:00	0.50	19:30	22	OPEN	RIG UP LAY DOWN TRUCK AFTER CHANGING FAST LINE.
19:30	1.25	20:45	6	TRIPS	CONTINUE TO RIH PICKING UP 3 1/2 DP TO 6036'.
20:45	1.00	21:45	5	COND MUD & CIRC	FILL STRING & CIRCULATE. TEST DV COLLAR/CASING TO 1000 PSI FOR 10 MIN WHILE RIG DOWN LAY DOWN TRUCK.
21:45	1.50	23:15	3	REAMING	WASH CEMENT STRINGERS TO FLOAT COLLAR @ 6108'. DRILL SHOE TRACK.
23:15	0.50	23:45	5	COND MUD & CIRC	CIRCULATE BOTTOMS UP.
23:45	2.00	01:45	6	TRIPS	BLOW DOWN TOP DRIVE & POH TO PICK UP SPERRY TOOLS.
01:45	2.00	03:45	6	TRIPS	BREAK OFF BIT. PICK UP SPERRY TOOLS & SCRIBE MOTOR TO MWD.
03:45	0.50	04:15	7	LUBRICATE RIG	ROUTINE RIG SERVICE.
04:15	1.75	06:00	6	TRIPS	TEST MOTOR & MWD. RIH TO 1800'.

LC Tribal 1H-27-46 11/22/2011 06:00 - 11/23/2011 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.75	08:45	6	TRIPS	RIH TO 6100'.
08:45	0.50	09:15	20	DIRECTIONAL WORK	TURN ON MWD & INSTALL ROTATING RUBBER.
09:15	0.25	09:30	3	REAMING	PRECAUTIONARY WASH TO 6219'.
09:30	1.75	11:15	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HORIZONTAL HOLE 6219-6290'.
11:15	0.75	12:00	20	DIRECTIONAL WORK	TROUBLESHOOT MWD, LOTS OF INTERFERENCE. RE-LOG 6219-6290'.
12:00	0.25	12:15	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6290-6295'.
12:15	0.25	12:30	20	DIRECTIONAL WORK	TROUBLESHOOT MWD. CHANGE CHANNELS.
12:30	0.25	12:45	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6295-6298'.
12:45	1.00	13:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6298-6337'.
13:45	0.75	14:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6337-6345'.
14:30	2.00	16:30	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6345-6432'.
16:30	0.25	16:45	20	DIRECTIONAL WORK	CHECK SHOT.
16:45	0.75	17:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6432-6447'.
17:30	1.75	19:15	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6447-6526'.
19:15	0.50	19:45	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6526-6538'.
19:45	1.00	20:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6538-6575'.
20:45	0.50	21:15	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6575-6583'.
21:15	1.50	22:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6583-6670'.
22:45	0.25	23:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6670-6675'.
23:00	0.50	23:30	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6675-6720'.
23:30	0.50	00:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6720-6725'.
00:00	0.75	00:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6725-6763'.
00:45	0.50	01:15	7	LUBRICATE RIG	ROUTINE RIG SERVICE.
01:15	1.00	02:15	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6763-6812'.
02:15	0.75	03:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6812-6820'.
03:00	2.00	05:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6820-6912'.
05:00	0.50	05:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6912-6922'.
05:30	0.50	06:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6922-6955'.

LC Tribal 1H-27-46 11/23/2011 06:00 - 11/24/2011 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.25	06:15	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 6955-6961'.
06:15	0.50	06:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 6961-7002'.
06:45	0.75	07:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7002-7007'.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
07:30	0.75	08:15	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7007-7050'.
08:15	1.00	09:15	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7050-7061'.
09:15	0.25	09:30	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7061-7070'.
09:30	0.75	10:15	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7070-7078'.
10:15	0.75	11:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7078-7115'. CHECK SHOT @ 7097'.
11:00	0.50	11:30	20	DIRECTIONAL WORK	TROUBLESHOOT MWD, INTERFERENCE.
11:30	0.50	12:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7115-7130'.
12:00	0.50	12:30	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7130-7146'.
12:30	0.75	13:15	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7146-7164'.
13:15	0.50	13:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7164-7193'.
13:45	0.50	14:15	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7193-7213'.
14:15	0.25	14:30	20	DIRECTIONAL WORK	CHECK SHOT @ 7161'.
14:30	0.50	15:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7213-7242'.
15:00	0.50	15:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7242-7252'.
15:30	0.50	16:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7252-7288'.
16:00	0.25	16:15	20	DIRECTIONAL WORK	CHECK SHOT @ 7225'.
16:15	0.25	16:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7288-7296'.
16:30	0.75	17:15	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7296-7355'.
17:15	1.75	19:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7355-7375'.
19:00	0.75	19:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7375-7383'.
19:45	0.75	20:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7383-7391'.
20:30	4.75	01:15	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7391-7526'. CHECKSHOT @ 7431'.
01:15	0.75	02:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7526-7534'.
02:00	0.25	02:15	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7534-7546'.
02:15	0.75	03:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7546-7554'.
03:00	1.25	04:15	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7554-7588'. CHECK SHOT @ 7554'.
04:15	0.50	04:45	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7588-7596'.
04:45	0.25	05:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7596-7621'.
05:00	0.50	05:30	7	LUBRICATE RIG	ROUTINE RIG SERVICE.
05:30	0.50	06:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7621-7653'.

LC Tribal 1H-27-46 11/24/2011 06:00 - 11/25/2011 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.75	07:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7653-7715'.
07:45	0.25	08:00	20	DIRECTIONAL WORK	CHECK SHOT @ 7663'.
08:00	0.50	08:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7715-7725'.
08:30	0.75	09:15	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7725-7763'.
09:15	0.25	09:30	20	DIRECTIONAL WORK	CHECK SHOT @ 7711'.
09:30	1.00	10:30	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7763-7811'.
10:30	1.00	11:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 7811-7826'.
11:30	5.50	17:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 7826-8177'.
17:00	1.00	18:00	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 8177-8190'.
18:00	1.75	19:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 8190-8237'.
19:45	0.50	20:15	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 8237-8246'.
20:15	3.00	23:15	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 8246-8333'. CHECK SHOT @ 8306'.
23:15	1.00	00:15	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 8333-8343'.
00:15	0.50	00:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 8343-8353'.
00:45	1.00	01:45	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 8353-8363'.
01:45	0.75	02:30	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 8363-8378'.
02:30	1.00	03:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 8378-8388'.
03:30	2.50	06:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 8388-8460'. CHECKSHOT @ 8427'.

**LC Tribal 1H-27-46 11/25/2011 06:00 - 11/26/2011 06:00**

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	3.00	09:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 8460-8522'. OBSERVED PUMP PRESSURE LOSS. ROP 20.7 FPH.	
09:00	0.50	09:30	5	COND MUD & CIRC	INVESTIGATE PUMPS - NO PROBLEM. PREPARE TO POH LOOKING FOR WASHOUT OR MOTOR PROBLEM.	
09:30	5.00	14:30	6	TRIPS	POH WET LOOKING FOR WASHOUT. BREAK OFF BIT (COND: 8-2-CR-C-X-I-CT-PR). NO WASHOUT FOUND.	
14:30	5.25	19:45	6	TRIPS	PICK UP NEW MOTOR & MAKE UP NEW BIT #6 (SEC, FM3643Z, 3 X 16, SN 11669073). SCRIBE MOTOR TO MWD & TEST MOTOR/MWD. RIH FILL STRING AT 2000' & AT SHOE.	
19:45	0.75	20:30	3	REAMING	MAKE UP TOP DRIVE & PRECAUTIONARY WASH/REAM 240' TO TD.	
20:30	1.75	22:15	2	DRILL ACTUAL	BREAK IN BIT & ROTATE DRILL 6 1/8 HOLE 8522-8637'. CHECKSHOT @ 8617'.	
22:15	0.50	22:45	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 8637-8643'.	
22:45	3.25	02:00	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 8643-8856'. CHECKSHOTS @ 8681', 8632', ' & 8585'. OBSERVED ~300 PSI PUMP PRESSURE LOSS.	
02:00	0.50	02:30	7	LUBRICATE RIG	ROUTINE RIG SERVICE WHILE CHECKING SURFACE MUD SYSTEM FOR LEAKS. NONE FOUND.	
02:30	0.25	02:45	5	COND MUD & CIRC	PUMP CHOPPED UP SOFT LINE. OBSERVED ROPE BACK ON SHAKERS AFTER 44 BBL PUMPED (~1620').	
02:45	2.00	04:45	6	TRIPS	POH LOOKING FOR WASHOUT. FOUND LOOSE CONNECTION W/WASHED THREADS AT 793' BELOW ROTARY TABLE. LAID DOWN 2 JTS. MAKE UP TOP DRIVE & PUMP THRU STRING W/300 GPM @ 2800 PSI. PICK UP 2 REPLACEMENT JTS.	
04:45	1.25	06:00	6	TRIPS	RIH. INSTALL ROTATING RUBBER. MAKE UP TOP DRIVE & PRECAUTIONARY WASH/REAM 8840' TO TD.	

LC Tribal 1H-27-46 11/26/2011 06:00 - 11/27/2011 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	2.75	08:45	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 8856-9082'.	
08:45	0.25	09:00	20	DIRECTIONAL WORK	CHECK SHOT @ 9226'.	
09:00	0.50	09:30	2	DRILL ACTUAL	SLIDE DRILL 6 1/8 HOLE 9082-9090'.	
09:30	1.75	11:15	2	DRILL ACTUAL	ROTATE DRILL 6 1/8 HOLE 9090-9330' (TD).	
11:15	0.25	11:30	20	DIRECTIONAL WORK	CHECK SHOT @ 9278'.	
11:30	0.50	12:00	7	LUBRICATE RIG	ROUTINE RIG SERVICE.	
12:00	0.50	12:30	5	COND MUD & CIRC	PUMP 20 BBL SUPER SWEEP PILL & CIRCULATE 2X BOTTOMS UP.	
12:30	5.50	18:00	6	TRIPS	POH, LAY DOWN SPERRY TOOLS.	
18:00	1.00	19:00	6	TRIPS	CLEAN UP RIG FLOOR, PICK UP & PUMP THRU REAMER ASSEMBLY. INSTALL ROTATING RUBBER & BLOW DOWN TOP DRIVE.	
19:00	3.25	22:15	6	TRIPS	RIH TO 6203'.	
22:15	7.75	06:00	3	REAMING	REAM HORIZONTAL HOLE 6203-8080' W/REAMER ASSY (4 3/4 BULLNOSE, 4 3/4 FLOAT SUB, 6" WATERMELON REAMER, 3 1/2 DP PUP JT, 6" WATERMELON REAMER). 100 RPM. 358 GPM @ 3100 PSI, 350 FPH. & RE-REAM 6579', 7005', 7376' & 7676', W/HIGH TORQUE.	

LC Tribal 1H-27-46 11/27/2011 06:00 - 11/28/2011 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log						
Start Time	Dur (hr)	End Time	Code	Category	Com	
06:00	5.50	11:30	3	REAMING	REAM HORIZONTAL HOLE 8080-9330' @ 350 FPH W/100 RPM, 358 GPM. RE-REAM HIGHER TORQUE SPOTS (XXXX').	
11:30	1.00	12:30	5	COND MUD & CIRC	PUMP 20 BBL SUPER SWEEP PILL & CIRCULATE 2X BOTTOMS UP.	
12:30	1.50	14:00	6	TRIPS	DROP DRIFT & POH TO SHOE.	

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
14:00	0.50	14:30	7	LUBRICATE RIG	ROUTINE RIG SERVICE.
14:30	3.50	18:00	6	TRIPS	POH, LAY DOWN REAMER ASSEMBLY. RECOVER DRIFT.
18:00	2.25	20:15	12	RUN CASING & CEMENT	HELD PJSM W/LAY DOWN, CASING & RIG CREWS. RIG UP LAY DOWN TRUCK & CASING TOOLS.
20:15	2.75	23:00	12	RUN CASING & CEMENT	MAKE UP & PUMP THRU 1 JT SHOE TRACK. THREADLOCK ALL JTS UP THRU BALL SEAT. RUN TOTAL OF 96 JTS (4096') 4 1/2, 11.6#, P-110, LTC, R3 CASING. FILL CASING EVERY 5 JTS.
23:00	0.50	23:30	12	RUN CASING & CEMENT	CHANGE ELEVATORS & PICK UP/MAKE UP LINER HANGER. REMOVE HYDRAULIC SLIPS, INSTALL ROTARY BUSHINGS & FILL/CIRC CASING.
23:30	1.25	00:45	12	RUN CASING & CEMENT	HELD PJSM W/CASING & RIG CREWS & RIG DOWN/MOVE LAY DOWN TRUCK.
00:45	4.00	04:45	12	RUN CASING & CEMENT	RUN 4 1/2 LINER ON 4 3/4 DC's & 3 1/2 DP @ 90 FPM INSIDE 7" CASING & 50 FPM IN OPEN HOLE. PRECAUTIONARY WASH LAST 3 STANDS TO TD. NO PROBLEM, APPROX DOWN WT 75K. LAND LINER @ 9330'.
04:45	1.00	05:45	12	RUN CASING & CEMENT	PICK UP/MAKE UP HOWCO BALL DROPPING HEAD, HOOK UP CIRCULATING HOSE & CIRCULATE BOTTOMS UP WHILE RIG UP HOWCO LINE FROM PUMP TRUCK. 600 PSI @ 112 GPM.
05:45	0.25	06:00	12	RUN CASING & CEMENT	COMMENCE PUMPING DIESEL & WATER W/KCL & BIOCIDES.

LC Tribal 1H-27-46 11/28/2011 06:00 - 11/29/2011 01:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status COMPLETION	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	3.50	09:30	12	RUN CASING & CEMENT	DISPLACE OPEN HOLE ANNULUS TO DIESEL. DROP SETTING BALL, WAIT FOR BALL TO SEAT & SET LINER HANGER. TEST PULL ON HANGER 100K OVER & TEST BACKSIDE TO 3000 PSI FOR 5 MIN. RELEASE FROM HANGER & DISPLACE 7" CASING TO WATER W/2% KCL & BIOCIDES. SHOE @ 9330', BALL SEAT SUB @ 9283' & TOP PBR @ 5207.71'.
09:30	1.50	11:00	12	RUN CASING & CEMENT	RIG DOWN & MOVE OUT HOWCO PUMP TRUCK & MOVE IN/RIG UP WEATHERFORD LAY DOWN TRUCK DUE TO THE DISTANCE FROM END CATWALK TO EDGE OF LOCATION.
11:00	3.25	14:15	6	TRIPS	POH & LAY DOWN 5200' OF 3 1/2 DP. BREAK OFF & LAY DOWN LINER RUNNING TOOL.
14:15	3.50	17:45	6	TRIPS	RIH W/44 STANDS 3 1/2 DP FROM MAST & POH LAYING DOWN ALL. HAULED OFF ALL SLIMHOLE STRING & HANDLING TOOLS.
17:45	0.25	18:00	6	TRIPS	RIG DOWN & MOVE OUT WEATHERFORD LAY DOWN TRUCK.
18:00	7.00	01:00	14	NIPPLE UP B.O.P	CHANGE PIPE RAMS TO 4 1/2". NIPPLE DOWN & STOW BOP. REMOVE HP RISER & INSTALL NIGHT CAP. RELEASE RIG TO MOVE TO SWD 16-6D-46 BTR AT 01:00 HRS, 11/29/11.

BLM - Vernal Field Office - Notification Form

Operator Bill Barrett Corporation Rig Name/# H&P 319
Submitted By Glenn Randel Phone Number 970-623-7078
Well Name/Number LC Tribal 1H-27-46
Qtr/Qtr NE/NE Section 27 Township 4S Range 6W
Lease Serial Number BIA - EDA - 2OG0005500
API Number 43-013-33568

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
☐ Intermediate Casing
☐ Production Casing
☒ Liner
☐ Other

Date/Time 11/27/2011 14:00 hrs AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
☐ BOPE test at intermediate casing point
☐ 30 day BOPE test
☐ Other

RECEIVED

NOV 29 2011

DIV. OF OIL, GAS & MINING

Date/Time _____ AM ☐ PM ☐

Remarks Completion liner w/swell packers. No cement job planned.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-5500
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: LC TRIBAL 1H-27-46
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0781 FNL 0752 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 27 Township: 04.0S Range: 06.0W Meridian: U		9. API NUMBER: 43013335680000
9. FIELD and POOL or WILDCAT: ALTAMONT		COUNTY: DUCHESNE
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/25/2011			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 This well had first gas sales on 12/25/2011 and first oil sales on 12/29/2011.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Venessa Langmacher	PHONE NUMBER 303 312-8172	TITLE Senior Permit Analyst
SIGNATURE N/A	DATE 12/30/2011	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-5500
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: BILL BARRETT CORP		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202		8. WELL NAME and NUMBER: LC TRIBAL 1H-27-46
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0781 FNL 0752 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 27 Township: 04.0S Range: 06.0W Meridian: U		9. API NUMBER: 43013335680000
9. FIELD and POOL or WILDCAT: ALTAMONT		COUNTY: DUCHESNE
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 12/31/2011			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

 Attached is the December 2011 monthly drilling report for this well.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A	DATE 1/5/2012	

**LC Tribal 1H-27-46 12/2/2011 06:00 - 12/3/2011 06:00**

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	LOCL	Lock Wellhead & Secure	Work crews travel to location. Cleaned out mouse hole and cellar ring. Well shut in and secured.
08:00	3.50	11:30	IWHD	Install Wellhead	Well head tech arrived and back hoe operator. back filled mouse hole and cellar ring with gravel. Checked pressure on Surface casing and 7", no pressure on well head. N/D 11" night cap, cleaned well head top. Installed 11" x 7 1/16" B-section with 2- 2 1/16" 5k gate valves. Energize hanger seals to 8500 psi. Tested seal elements to 5000 psi, test held good for 5 minutes. Turned well over to SLB.
11:30	3.50	15:00	LOGG	Logging	Safety meeting with SLB, R/up e-line truck, P/up logging tools. CCL/CBL/GR. RIH with logging tools, fluid level @ 990', call in water truck the fill hole. loaded hole 30 bbls of cut brine. located liner top @ 5207', ran cement bond log from 5207' to 270', seen good to fair cement bond from 5702' to 2900', from 2900' to stage tool @ 2490' no cement, from 2490' to 1800' fair cement bond, from 1800' to 270'. no cement bond. Finished pulling e-line out of the hole. L/D logging tools. N/U night cap and secured wellhead for the night.
15:00	2.50	17:30	GOP	General Operations	Continued to haul in completion equipment from 13H-33-46 and hauling in 3% kcl to 14X tank farm.
17:30	12.50	06:00	LOCL	Lock Wellhead & Secure	Well head shut in and secured.

LC Tribal 1H-27-46 12/3/2011 06:00 - 12/4/2011 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com

LC Tribal 1H-27-46 12/4/2011 06:00 - 12/5/2011 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Well shut in and secured. No construction activity, continue to truck in 3% KCL on 14x tank farm.

LC Tribal 1H-27-46 12/7/2011 06:00 - 12/8/2011 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com

LC Tribal 1H-27-46 12/8/2011 06:00 - 12/9/2011 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com

LC Tribal 1H-27-46 12/9/2011 06:00 - 12/10/2011 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com

LC Tribal 1H-27-46 12/10/2011 06:00 - 12/11/2011 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	LOCL	Lock Wellhead & Secure	Construction crews continue to work on production facilities. Facilities at 50% complete. Water transfer lines are completed from the 14x staging area to 1H-27, establish pump rate from the 14x to 1H location @ 55 bpm with 75 psi on the transfer line. Re-filling transfer pad with 3% kcl. Prep location for frac.

LC Tribal 1H-27-46 12/12/2011 06:00 - 12/13/2011 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	WSI.
07:00	0.50	07:30	SMTG	Safety Meeting	JSA Safety Meeting
07:30	1.00	08:30	SRIG	Rig Up/Down	MIRU w/o Rig.
08:30	3.00	11:30	GOP	General Operations	Unload 4.5" Csg., Drift, Inspect & Talley Csg.
11:30	2.50	14:00	BOPI	Install BOP's	ND Night Cap, NU 7 1/16" 5K BOP & 7 1/16" 5K Flow Cross, & 7 1/16" 5K Annular. Change annular element, Change Pipe rams to 4.5. Function Testl.
14:00	1.50	15:30	SRIG	Rig Up/Down	RU Work floor.
15:30	14.50	06:00	LOCL	Lock Wellhead & Secure	WSI. SDFN.

LC Tribal 1H-27-46 12/13/2011 06:00 - 12/14/2011 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com																																																
06:00	3.00	09:00	LOCL	Lock Wellhead & Secure	WSI.																																																
09:00	0.50	09:30	SMTG	Safety Meeting	JSA Safety Meeting																																																
09:30	1.50	11:00	SRIG	Rig Up/Down	MIRU Weatherford Csg. Crew & Hydra walk.																																																
11:00	5.00	16:00	GOP	General Operations	<p>PU BHA & 4 1/2" Frac String. Sting in to Liner, Space out Csg. for Hanger. Land Hanger w/ 20k down on seal assembly. Pressure Test Seal Assembly to 1000# held for 15min. Bled back to 500# left psi. on annulus with methanol.</p> <p>Casing Csg Des: Frac String Set Depth (ftKB): 5,225.9 Run Date: 2011/12/13 13:00 Tension (kips): Centralizers: Scratchers:</p> <p>Casing Components</p> <table><thead><tr><th>Item Des</th><th>OD (in)</th><th>ID (in)</th><th>Wt (lb/ft)</th><th>Grade</th><th>Len (ft)</th><th>Jts</th><th>Top Thread</th></tr></thead><tbody><tr><td>Top (ftKB)</td><td></td><td>Btm (ftKB)</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>Casing Hanger</td><td>5</td><td>4</td><td>11.6</td><td>P-110</td><td>0.48</td><td>1</td><td>0</td></tr><tr><td>Casing Pup Joint</td><td>4 1/2</td><td>4</td><td>11.6</td><td>P-110</td><td>13</td><td>2</td><td>0.5</td></tr><tr><td>Casing Joints</td><td>4 1/2</td><td>4</td><td>11.6</td><td>P-110</td><td>5,211.08</td><td>123</td><td>13.5</td></tr><tr><td>Seal Assembly</td><td>5 1/2</td><td>4</td><td>11.6</td><td>P-110</td><td>1.3</td><td>1</td><td>5,224.60</td></tr></tbody></table>	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Top Thread	Top (ftKB)		Btm (ftKB)						Casing Hanger	5	4	11.6	P-110	0.48	1	0	Casing Pup Joint	4 1/2	4	11.6	P-110	13	2	0.5	Casing Joints	4 1/2	4	11.6	P-110	5,211.08	123	13.5	Seal Assembly	5 1/2	4	11.6	P-110	1.3	1	5,224.60
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Seal Assembly	5 1/2	4	11.6	P-110	1.3	1	5,224.60																																														
16:00	1.00	17:00	SRIG	Rig Up/Down	RDMO Csg. Crew, & work floor.																																																
17:00	1.00	18:00	BOPR	Remove BOP's	ND BOP, NU 7 1/16" 5k X 4 1/16" 10K Spool. NU Frac tree.																																																
18:00	12.00	06:00	LOCL	Lock Wellhead & Secure	WSI. SDFN.																																																

**LC Tribal 1H-27-46 12/14/2011 06:00 - 12/15/2011 06:00**

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	WSI.
07:00	0.50	07:30	SMTG	Safety Meeting	JSA Safety Meeting
07:30	10.50	18:00	SRIG	Rig Up/Down	RDMO w/o Rig.
18:00	12.00	06:00	LOCL	Lock Wellhead & Secure	WSI.

LC Tribal 1H-27-46 12/19/2011 06:00 - 12/20/2011 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	MIRU HES Frac Crew And Equipment/Ball Dropper. Location Frac Water Heated On 12/18, Heating 14X Tank Farm.

LC Tribal 1H-27-46 12/20/2011 06:00 - 12/21/2011 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.00	08:00	GOP	General Operations	HES Frac Crew On Location @ 04:30. Service, And Start Equipment.Run Quality Control Checks On Chemicals, Sand, And Fluids. Prime - Up Chemical Pumps And HHP.
08:00	0.25	08:15	SMTG	Safety Meeting	Safety Meeting With All Contractors Involved With Operations. Discuss Operations For Today, Pressure Test, Job Assignments, Communication, QC For Fluids, Smoking, Pressure, Red Zones, PPE.
08:15	0.67	08:55	PTST	Pressure Test	Pressure Test Frac Pumps To 9000 Psi, Grizzly Ball Drop Pump To 4000 Psi. Open Up To 4-1/2 x 7 Annulus, And Pressure Up To 1900#. Will Maintain Around 2000# During Fracs. Equalize. SICP- 100#.
08:55	1.75	10:40	FRAC	Frac. Job	Drop 1.625" DSI Shifting Ball, And Displace At 20 Bpm To 700 Gallons Before DSI. Slowed Rate To 10 Bpm. Shifted DSI @ 9234', At 3729 Psi. (+ 200 Gallons Casing Volume). Pumped Interval 1 Frac, Hybor G 17 Fluid System(21#), 23100# Of 100 Mesh Sand In 2 Sand Stages (0.5#(Linear Fluid), 1.0#), And 107400# 20/40 Premium White Sand In 4 Sand Stages (1.0#, 2.0#, 2.5#, 3.0#). Pumped 2793 Bbls BWTR. 111,463 Gals. Clean Fluid. Max Rate 51.4 Bpm Max. Pressure 4827 Psi.. Avg. Rate 50.9 Bpm Avg. Pressure 4545 Psi. Drop 1.875" Shifting Ball 18 Bbls. Into Flush, And Displace Ball @ 50 bpm At 700 Gals. Left., Slowed Rate To 10 Bpm, Shifted Sleeve At 3628 Psi. At 9020'. +300 Gals. Over Calculated Volume, Bring Up Rate To 30 Bpm For 1000 Gals., ShutDown.
10:40	1.59	12:15	FRAC	Frac. Job	ISIP - 1536#, F.G. - .65 Psi/Ft..Pumped Interval 2 Frac, Hybor G 17 Fluid System(21#), 26100 # Of 100 Mesh Sand In 2 Sand Stages (0.5#(Linear Fluid), 1.0#), And 117400 # 20/40 Premium White Sand In 4 Sand Stages (1.0#, 2.0#, 2.5#, 3.0#). Pumped 2777 Bbls BWTR. 110,326 Gals. Clean Fluid. Max Rate 51.7 Bpm Max. Pressure 4496 Psi.. Avg. Rate 50.8 Bpm Avg. Pressure 4247 Psi. Drop 2.000" Shifting Ball 24 Bbls. Into Flush, And Displace Ball @ 50 bpm At 700 Gals. Left, Slowed Rate To 10 Bpm, No Shift Seen After 1800 Gals. Over Sleeve Volume. ShutDown, ISDP - 1815#, F.G. - .69 Psi/Ft.. Drop Second Ball, Pump Down, No Shift Seen After 500 Gals. Over, Stage Into Interval 3.
12:15	1.67	13:55	FRAC	Frac. Job	Frac Interval 3 Frac, Hybor G 17 Fluid System(21#), 28200 # Of 100 Mesh Sand In 2 Sand Stages (0.5#(Linear Fluid), 1.0#), And 120100 # 20/40 Premium White Sand In 3 Sand Stages (1.0#, 2.0#, 2.5#,3.0#). Pumped 2980 Bbls BWTR. 118,451 Gals. Clean Fluid. Max Rate 51.5 Bpm Max. Pressure 4504 Psi.. Avg. Rate 50.9 Bpm Avg. Pressure 4211 Psi. Drop 2.125" Shifting Ball 19 Bbls. Into Flush, And Displace Ball @ 50 bpm At 700 Gals. Left, Slowed Rate To 10 Bpm, Shifted Sleeve At 2418 Psi At 8591'. +1000 Gals. Over Calculated Volume, Bring Up Rate To 20 Bpm For 400 Gals., ShutDown.



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
13:55	1.66	15:35	FRAC	Frac. Job	ISIP - 1726#, F.G. - .68 Psi/Ft..Frac Interval 4 Frac, Hybor G 17 Fluid System(21#), 28300 # Of 100 Mesh Sand In 2 Sand Stages (0.5#(Linear Fluid), 1.0#), And 105100 # 20/40 Premium White Sand In 3 Sand Stages (1.0#, 2.0#, 2.5#/89.5% Of Design). Pumped 2709 Bbls BWTR. 107,874 Gals. Clean Fluid. Max Rate 50.7 Bpm Max. Pressure 4576 Psi.. Avg. Rate 50.5 Bpm Avg. Pressure 4199 Psi. Drop 2.250" Shifting Ball 5 Bbls. Into Flush, And Displace Ball @ 50 bpm At 700 Gals. Left, Slowed Rate To 10 Bpm, Shifted Sleeve At 4934 Psi At 8377'. + 300 Gals. Over Calculated Volume, Bring Up Rate To 30 Bpm For 1000 Gals., ShutDown.
15:35	1.08	16:40	FRAC	Frac. Job	ISIP - 2744#, F.G. - .82 Psi/Ft..Frac Interval 5 Frac, Hybor G 17 Fluid System(21#), 28200 # Of 100 Mesh Sand In 2 Sand Stages (0.5#(Linear Fluid), 1.0#), And 121300 # 20/40 Premium White Sand In 3 Sand Stages (1.0#, 2.0#, 2.5#,3.0#). Pumped 2801 Bbls BWTR. 111,038 Gals. Clean Fluid. Max Rate 50.8 Bpm Max. Pressure 3844 Psi.. Avg. Rate 50.7 Bpm Avg. Pressure 3556 Psi. OverFlushed 15 Bbls. To Sleeve Volume At 8162'. ISDP - 1745#, F.G. - .68 Psi/Ft.
16:40	1.33	18:00	GOP	General Operations	HES ShutDown And Secure Equipment.
18:00	12.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured, Refilling Movers On Location, Hauling Water To Tank Farm And Heating.

LC Tribal 1H-27-46 12/21/2011 06:00 - 12/22/2011 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.42	06:25	GOP	General Operations	HES Frac Crew On Location @ 04:30. Service, And Start Equipment.Run Quality Control Checks On Chemicals, Sand, And Fluids. Prime - Up Chemical Pumps And HHP.
06:25	0.25	06:40	SMTG	Safety Meeting	Safety Meeting With All Contractors Involved With Operations. Discuss Operations For Today, Pressure Test, Job Assignments, Communication, QC For Fluids, Smoking, Pressure, Red Zones, PPE.
06:40	0.17	06:50	PTST	Pressure Test	Pressure Test Frac Pumps To 9000 Psi, Grizzly Ball Drop Pump To 4000 Psi. Open Up To 4-1/2 x 7 Annulus, And Pressure Up To 1900#. Will Maintain Around 2000# During Fracs. Equalize. SICP- 800#.
06:50	1.67	08:30	FRAC	Frac. Job	Drop 2.375" DSS Shifting Ball, And Displace At 20 Bpm To 700 Gallons Before DSS. Slowed Rate To 10 Bpm. Shifted DSS @ 8162', At 2136 Psi. (+ 200 Gallons Casing Volume). Pumped Interval 6 Frac, Had Problems Getting Xlink, Did Not Have Good XLink Until Midway Thru 1# 100 Mesh, Also Looked Like Sleeve Shifted Halfway Into 1# 100 Mesh, Meaning Most Of 100 Mesh Probably Went Into Stage 5 Zone. Hybor G 17 Fluid System(21#), 27800# Of 100 Mesh Sand In 2 Sand Stages (0.5#(Linear Fluid), 1.0#), And 120400# 20/40 Premium White Sand In 3 Sand Stages (1.0#, 2.0#, 2.5#). Pumped 3186 Bbls BWTR. 127,394 Gals. Clean Fluid. Max Rate 53.2 Bpm Max. Pressure 5099 Psi.. Avg. Rate 50.6 Bpm Avg. Pressure 3658 Psi. Drop 2.500" Shifting Ball 29 Bbls. Into Flush, And Displace Ball @ 50 bpm At 700 Gals. Left,, Slowed Rate To 10 Bpm, Shifted Sleeve At 4292 Psi. At 7948'. + 200 Gals. Over Calculated Volume, Bring Up Rate To 30 Bpm For 1000 Gals., ShutDown.
08:30	1.58	10:05	FRAC	Frac. Job	ISIP - 2750# F.G. .82 Psi/Ft.. Pumped Interval 7 Frac, Hybor G 17 Fluid System(21#), 28500# Of 100 Mesh Sand In 2 Sand Stages (0.5#(Linear Fluid), 1.0#), And 121200# 20/40 Premium White Sand In 4 Sand Stages (1.0#, 2.0#, 2.5#, 3.0#). Pumped 2883 Bbls BWTR. 114,434 Gals. Clean Fluid. Max Rate 50.7 Bpm Max. Pressure 5551 Psi.. Avg. Rate 50.4 Bpm Avg. Pressure 4111 Psi. Drop 2.625" Shifting Ball 23 Bbls. Into Flush, And Displace Ball @ 50 bpm At 700 Gals. Left,, Slowed Rate To 10 Bpm, Shifted Sleeve At 2885 Psi. At 7734'. + 2000 Gals. Over Calculated Volume, Bring Up Rate To 30 Bpm For 1000 Gals., ShutDown.
10:05	1.34	11:25	FRAC	Frac. Job	ISIP - 2009# F.G. .72 Psi/Ft.. Pumped Interval 8 Frac, Hybor G 17 Fluid System(21#), 28700# Of 100 Mesh Sand In 2 Sand Stages (0.5#(Linear Fluid), 1.0#), And 120700# 20/40 Premium White Sand In 4 Sand Stages (1.0#, 2.0#, 2.5#, 3.0#). Pumped 2816 Bbls BWTR. 111,599 Gals. Clean Fluid. Max Rate 50.9 Bpm Max. Pressure 3755 Psi.. Avg. Rate 50.6 Bpm Avg. Pressure 3272 Psi. Drop 2.750" Shifting Ball 24 Bbls. Into Flush, And Displace Ball @ 50 bpm At 700 Gals. Left,, Slowed Rate To 10 Bpm, Shifted Sleeve At 3889 Psi. At 7523'. + 1000 Gals. Over Calculated Volume, Bring Up Rate To 30 Bpm For 1000 Gals., ShutDown.



Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
11:25	1.41	12:50	FRAC	Frac. Job	ISIP - 2431# F.G. .78 Psi/Ft.. Pumped Interval 9 Frac, Hybor G 17 Fluid System(21#), 28300# Of 100 Mesh Sand In 2 Sand Stages (0.5#(Linear Fluid), 1.0#), And 118000# 20/40 Premium White Sand In 4 Sand Stages (1.0#, 2.0#, 2.5#, 3.0#). Pumped 2769 Bbls BWTR. 109,739 Gals. Clean Fluid. Max Rate 50.7 Bpm Max. Pressure 5935 Psi.. Avg. Rate 50.5 Bpm Avg. Pressure 3880 Psi. Drop 2.875" Shifting Ball 23 Bbls. Into Flush, And Displace Ball @ 50 bpm At 700 Gals. Left., Slowed Rate To 15 Bpm, Shifted Sleeve At 2328 Psi. At 7308'. + 500 Gals. Over Calculated Volume, Bring Up Rate To 30 Bpm For 1000 Gals., ShutDown.
12:50	1.08	13:55	FRAC	Frac. Job	ISIP - 1893# F.G. .70 Psi/Ft.. Pumped Interval 10 Frac, Hybor G 17 Fluid System(21#), 28600# Of 100 Mesh Sand In 2 Sand Stages (0.5#(Linear Fluid), 1.0#), And 120600# 20/40 Premium White Sand In 4 Sand Stages (1.0#, 2.0#, 2.5#, 3.0#). Pumped 2779 Bbls BWTR. 110,023 Gals. Clean Fluid. Max Rate 50.8 Bpm Max. Pressure 4549 Psi.. Avg. Rate 50.6 Bpm Avg. Pressure 3577 Psi. Flushed To 15 Bbls. Over Sleeve Volume At 7094'. ISDP - 1914# F.G. .70 Psi/Ft..
13:55	2.08	16:00	GOP	General Operations	HES ShutDown And Secure Equipment.
16:00	14.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured, Refilling Movers On Location, Hauling Water To Tank Farm And Heating.

LC Tribal 1H-27-46 12/22/2011 06:00 - 12/23/2011 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log					
Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	0.67	06:40	GOP	General Operations	HES Frac Crew On Location @ 04:30. Service, And Start Equipment.Run Quality Control Checks On Chemicals, Sand, And Fluids. Prime - Up Chemical Pumps And HHP.
06:40	0.25	06:55	SMTG	Safety Meeting	Safety Meeting With All Contractors Involved With Operations. Discuss Operations For Today, Pressure Test, Job Assignments, Communication, QC For Fluids, Smoking, Pressure, Red Zones, PPE.
06:55	0.25	07:10	PTST	Pressure Test	Pressure Test Frac Pumps To 9000 Psi, Grizzly Ball Drop Pump To 4000 Psi. Open Up To 4-1/2 x 7 Annulus, And Pressure Up To 1900#. Will Maintain Around 2000# During Fracs. Equalize. SICP- 800#.
07:10	2.50	09:40	FRAC	Frac. Job	Drop 3.000" DSS Shifting Ball, And Displace At 20 Bpm To 700 Gallons Before DSS. Slowed Rate To 15 Bpm. No Initial Shift Seen, Dropped Second Ball, Pump Down, Still No Shift Seen At DSS @ 7094', Pumped Interval 11 Frac, Hybor G 17 Fluid System (21#), 28700# Of 100 Mesh Sand In 2 Sand Stages (0.5#(Linear Fluid), 1.0#), And 119100# 20/40 Premium White Sand In 4 Sand Stages (1.0#, 2.0#, 2.5#, 3.0#). Pumped 3116 Bbls BWTR. 124,316 Gals. Clean Fluid. Max Rate 51.6 Bpm Max. Pressure 4137 Psi.. Avg. Rate 50.3 Bpm Avg. Pressure 3385 Psi. Drop 3.125" Shifting Ball 17 Bbls. Into Flush, And Displace Ball @ 50 bpm At 700 Gals. Left., Slowed Rate To 15 Bpm, Did Not See Shift, Drop Second Ball. ISDP - 1990#, .72 Psi./Ft., Pump Down, No Shift Seen At Sleeve At 6879'. ShutDown, Go Thru Pump. Stage To Interval 12.
09:40	1.92	11:35	FRAC	Frac. Job	Pumped Interval 12 Frac, Hybor G 17 Fluid System(21#), 29200# Of 100 Mesh Sand In 2 Sand Stages (0.5#(Linear Fluid), 1.0#), And 118500# 20/40 Premium White Sand In 4 Sand Stages (1.0#, 2.0#, 2.5#, 3.0#). Pumped 2821 Bbls BWTR. 111,928 Gals. Clean Fluid. Max Rate 52.7 Bpm Max. Pressure 3585 Psi.. Avg. Rate 50.6 Bpm Avg. Pressure 3192 Psi. Drop 3.280" Shifting Ball 20 Bbls. Into Flush, And Displace Ball @ 50 bpm At 700 Gals. Left., Slowed Rate To 15 Bpm, Shifted Sleeve At 3153 Psi. At 6666'. + 300 Gals. Over Calculated Volume, Bring Up Rate To 30 Bpm For 1000 Gals., ShutDown.
11:35	1.83	13:25	FRAC	Frac. Job	ISIP - 2200# F.G. .75 Psi/Ft.. Pumped Interval 13 Frac, Hybor G 17 Fluid System(21#), 28600# Of 100 Mesh Sand In 2 Sand Stages (0.5#(Linear Fluid), 1.0#), And 123700# 20/40 Premium White Sand In 4 Sand Stages (1.0#, 2.0#, 2.5#, 3.0#). Pumped 2927 Bbls BWTR. 116,177 Gals. Clean Fluid. Max Rate 52.7 Bpm Max. Pressure 3920 Psi.. Avg. Rate 50.8 Bpm Avg. Pressure 3320 Psi. Drop 3.443" Shifting Ball 21 Bbls. Into Flush, And Displace Ball @ 50 bpm At 700 Gals. Left., Slowed Rate To 15 Bpm, Shifted Sleeve At 3100 Psi. At 6451'. + 100 Gals. Over Calculated Volume, Bring Up Rate To 30 Bpm For 1000 Gals., ShutDown.
13:25	1.58	15:00	FRAC	Frac. Job	ISIP - 2432# F.G. .78 Psi/Ft.. Pumped Interval 14 Frac, Hybor G 17 Fluid System(21#), 28200# Of 100 Mesh Sand In 2 Sand Stages (0.5#(Linear Fluid), 1.0#), And 122100# 20/40 Premium White Sand In 4 Sand Stages (1.0#, 2.0#, 2.5#, 3.0#). Pumped 2829 Bbls BWTR. 111,456 Gals. Clean Fluid. Max Rate 50.9 Bpm Max. Pressure 4182 Psi.. Avg. Rate 50.6 Bpm Avg. Pressure 3544 Psi. Drop 3.615" Shifting Ball 27 Bbls. Into Flush, And Displace Ball @ 50 bpm At 700 Gals. Left., Slowed Rate To 15 Bpm, Shifted Sleeve At 2558 Psi. At 6281'. + 700 Gals. Over Calculated Volume, Bring Up Rate To 30 Bpm For 1000 Gals., ShutDown.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
15:00	0.92	15:55	FRAC	Frac. Job	ISIP - 1893# F.G. .70 Psi/Ft.. Pumped Interval 15 Frac, Hybor G 17 Fluid System(21#), 19900# Of 100 Mesh Sand In 2 Sand Stages (0.5#(Linear Fluid), 1.0#), And 98340# 20/40 Premium White Sand In 4 Sand Stages (1.0#, 2.0#, 2.5#, 3.0#). Pumped 2248 Bbls BWTR. 88,719 Gals. Clean Fluid. Max Rate 51.0 Bpm Max. Pressure 3304 Psi.. Avg. Rate 50.7 Bpm Avg. Pressure 3083 Psi. Flushed To 15 Bbls. Over Sleeve Volume At 6281'. ISDP - 2047# F.G. .72 Psi/Ft..
15:55	2.08	18:00	GOP	General Operations	HES RD And MOL With Equipment
18:00	12.00	06:00	LOCL	Lock Wellhead & Secure	WSI And Secured,

LC Tribal 1H-27-46 12/23/2011 06:00 - 12/24/2011 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	2.50	08:30	GOP	General Operations	CTS coil crew arrived at 06:00, spotted in coil equipment. Rigged up crane and injector head, pulled tested coil connector to 25k, place injector stack on well head. filled reel with 47 bbls of 100" water. pumped additional 50 bbls through coil equipment and flow back system to exposed equipment to 100* . Disconnected coil stack, P/up 2.875" motor & 3.701" bull nose mill. function tested motor. Good test. Safety meeting with coil crew, flow back and tool hand. Reviewed JSA and drill out plan. Equalized well head pressures, open well to flow back tanks @ 1.0 bpm, RIH @ 120' fpm pumping @ .25 bpm.
08:30	1.00	09:30	TRIP	Tripping	Completed weight checks @ 3000' and 5000', continued to run in hole with 2" coil and drill out assembly. Tagged DDS @ 6274', with 750 psi on the well. Drilled through DSS in 4 minutes, reamed through several times.
09:30	0.50	10:00	DOPG	Drill Out Plugs	Tagged DSS @ 6443', Drilled out DSS in 3 min, Pumped 10 bbl gel sweep, Pump rate @ 2.5 bpm, with 3.5 bpm in returns.
10:00	0.25	10:15	DOPG	Drill Out Plugs	Tagged DSS @ 6657', Drilled out DSS in 4 min, Pumped 10 bbl gel sweep, well head pressures @ 650 psi, Pump rate @ 2.5 bpm, with 3000 psi in the coil tbg, with 3.5 bpm in returns.
10:15	0.25	10:30	DOPG	Drill Out Plugs	Tagged DSS @ 6870', Drilled out DSS in 3 min, Pumped 10 bbl gel sweep, well head pressure @ 600 psi, coil tbg pressure @ 3000 psi, Pump rate @ 2.5 bpm, with 3.5 bpm in returns. seeing heavy sand and composite ball parts in returns.
10:30	0.25	10:45	DOPG	Drill Out Plugs	Tagged DSS @ 7085', Drilled out DSS in 3 min, Pumped 10 bbl gel sweep, well head pressure @ 600 psi, coil tbg pressure @ 3000 psi. Pump rate @ 2.5 bpm, with 3.5 bpm in returns, seeing heavy sand and composite ball material. Continued to RIH and tagged 6th DSS @ 7301', Pumped a 20 bbl gel sweep, pulled coil and BHA to vertical section for wiper trip.
10:45	1.00	11:45	TRIP	Tripping	Pulled coil to vertical section 5600', Still seeing heavy sand in returns. Pulled to 5600', Started back in the hole to 7301'
11:45	0.25	12:00	DOPG	Drill Out Plugs	Tagged DSS @ 7297', Drilled out DSS in 3 min, Well head pressure @ 700 psi, Pumped 10 bbl gel sweep, Pump rate @ 2.5 bpm, with 3.5 bpm in returns. light sand in returns.
12:00	0.25	12:15	DOPG	Drill Out Plugs	Tagged DSS @ 7512', Drilled out DSS in 3 min, well head pressure @ 650 psi. Pumped 10 bbl gel sweep, Pump rate @ 2.5 bpm, with 3.5 bpm in returns. started seeing heavy sand.
12:15	0.25	12:30	DOPG	Drill Out Plugs	Tagged DSS @ 7723', Drilled out DSS in 5 min, Well head pressure @ 675 psi, Pumped 10 bbl gel sweep, Pump rate @ 2.5 bpm, with 3.5 bpm in returns. With heavy sand returns.
12:30	0.25	12:45	DOPG	Drill Out Plugs	Tagged DSS @ 7937', Drilled out DSS in 4 min, well head pressure @ 700. Pumped 10 bbl gel sweep, Pump rate @ 2.5 bpm, with 3.5 bpm in returns. seeing heavy sand.
12:45	0.25	13:00	DOPG	Drill Out Plugs	Tagged DSS @ 8150', Drilled out DSS in 3 min, well head pressure @ 700 psi. Pumped 10 bbl gel sweep, Pump rate @ 2.5 bpm, with 3.5 bpm in returns. light sand in returns. Continued to RIH with coil to 11th DSS @ 8364, increase gel sweep to 20 bbls. Started out of the hole to vertical section.
13:00	1.50	14:30	TRIP	Tripping	Pull coil to 5600', had to shut down the pumps and shut in the well due to a wellhead restriction. Cleared out restriction. Found composite ball material. Removed trash, hooked lines back up. Open well, Continued to tripping back in the hole. Tag DSS @ 8364'.
14:30	0.25	14:45	DOPG	Drill Out Plugs	Tagged DSS @ 8364', Drilled out DSS, in 2 min, well head pressure holding @ 600 psi, Pumped 10 bbl gel sweep, Pump rate @ 2.5 bpm, with 3.5 bpm in returns. light sand in returns.
14:45	0.25	15:00	DOPG	Drill Out Plugs	Tagged DSS @ 8578', Drilled out DSS in 3 min, Well head pressure holding @ 600 psi. Pumped 10 bbl gel sweep, Pump rate @ 2.5 bpm, with 3.5 bpm in returns.

**Time Log**

Start Time	Dur (hr)	End Time	Code	Category	Com
15:00	0.25	15:15	DOPG	Drill Out Plugs	Tagged DSS @ 8792', Drilled out DSS, in 2 min, Pumped 10 bbl gel sweep, Pump rate @ 2.5 bpm, with 3.5 bpm in returns.
15:15	0.50	15:45	DOPG	Drill Out Plugs	Tagged DSS @ 9007', Had to pull up and cut rate to 1.5 bpm. shut in well and bled off pressure. Cleared out line restriction. opened well back to flow back tanks. Tagged DSS @ 9007', Drilled out DSS, in 18 min, Pumped 10 bbl gel sweep, Pump rate @ 2.5 bpm, with 3.5 bpm in returns.
15:45	0.50	16:15	DOPG	Drill Out Plugs	Tagged DSI @ 9221', Pumped 40 bbl gel sweep, worked coil tbg from 9221' to 9000', clean and condition hole. Well head pressure still holding steady @ 600 psi. Pump rate @ 2.5 bpm, with 3.5 bpm in returns.
16:15	1.50	17:45	TRIP	Tripping	Pulled coil tbg out the hole @ 30' fpm through horizontal section, had to work coil tbg slowly due to heavy drag in coil. Continued to pump gel sweeps, once coil was in the vertical section, increase coil speed to 80' fpm. Crew change. reduce coil to 25' fpm on the last 500', bump up tool. Secured wellhead. Bled off pressure, broke apart tools. CTS N2 unit was out of liquid N2, had to wait on N2 transport to come out of Rock Springs. L/D lubricator, placed injector head back on BOP's, equalized pressures, opened well, continued to flow well through flow back system, coil started pumped @ .25 bpm to prevent their coil system from freezing up.
17:45	8.00	01:45	DTIM	Downtime	Waiting on N2 Transport.
01:45	2.50	04:15	GOP	General Operations	N2 transport arrived, closed in well, and blew 2' coil reel dry, bled off pressure, removed injector head and bop's. open well and continue to flow well back on a 24/64" choke @ 500 psi.
04:15	1.75	06:00	GOP	General Operations	Flowing well back on a 24/64" choke @ 2.25 bpm with 500 psi on the casing.

LC Tribal 1H-27-46 12/24/2011 06:00 - 12/25/2011 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	24.00	06:00	GOP	General Operations	Continued to Flow well back through flow back system. Reconfigured and insulated flow lines, fired up production equipment. First delivered well to production and turned well over to triple-E. Batching frac tanks and emptied flow back and storage tanks. Rigged down flow back lines.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-5500
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
1. TYPE OF WELL Gas Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: BILL BARRETT CORP		8. WELL NAME and NUMBER: LC TRIBAL 1H-27-46
3. ADDRESS OF OPERATOR: 1099 18th Street Ste 2300 , Denver, CO, 80202	PHONE NUMBER: 303 312-8164 Ext	9. API NUMBER: 43013335680000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0781 FNL 0752 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 27 Township: 04.0S Range: 06.0W Meridian: U		9. FIELD and POOL or WILDCAT: ALTAMONT
		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 1/31/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

January 2012 Monthly Drilling Report attached.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 February 06, 2012

NAME (PLEASE PRINT) Brady Riley	PHONE NUMBER 303 312-8115	TITLE Permit Analyst
SIGNATURE N/A		DATE 2/6/2012

**LC Tribal 1H-27-46 1/8/2012 06:00 - 1/9/2012 06:00**

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	Open to sales.
07:00	0.50	07:30	SMTG	Safety Meeting	JSA Safety meeting
07:30	5.00	12:30	WKLL	Kill Well	Kill well w/ 100 Bbls. Unsuccessful w/3% wait on brine, pumped 100 bbls.
12:30	1.00	13:30	BOPI	Install BOP's	ND Frac Tree, NU 7 1/16" 5K BOP & 7 1/16" 5K Flow Cross, & 7 1/16" 5K Annular. Function Testl.
13:30	1.00	14:30	SRIG	Rig Up/Down	RU work Floor & Weatherford Csg. Crew.
14:30	2.50	17:00	PULT	Pull Tubing	Pull Hanger & Lay down Csg.
17:00	13.00	06:00	LOCL	Lock Wellhead & Secure	Secure well, SDFN.

LC Tribal 1H-27-46 1/9/2012 06:00 - 1/10/2012 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com																																																																																																																																																
06:00	1.00	07:00	LOCL	Lock Wellhead & Secure	WSI.																																																																																																																																																
07:00	0.50	07:30	SMTG	Safety Meeting	JSA Safety meeting																																																																																																																																																
07:30	4.00	11:30	PULT	Pull Tubing	Finish laying down csg.,																																																																																																																																																
11:30	1.00	12:30	SRIG	Rig Up/Down	RDMO csg. crew,																																																																																																																																																
12:30	0.50	13:00	GOP	General Operations	Change Rams,																																																																																																																																																
13:00	4.00	17:00	RUTB	Run Tubing	<div>PU BHA & Tbg. Set anchor, land tbg., Prep. to run rods in the a.m. Land tbg. as follows: Tubing Des: Tubing - ProductionSet Depth (ftKB): 5,239.7Run Date: 2012/01/09 12:00 Pull Date: Tubing Components</div> <table><thead><tr><th>Jts (ft)</th><th>Item Des</th><th>OD (in)</th><th>ID (in)</th><th>Wt (lb/ft)</th><th>Grade</th><th>Top Thread</th><th>Len</th></tr></thead><tbody><tr><td>1</td><td>Tubing Hanger</td><td>2 7/8</td><td>2.441</td><td>6.5</td><td>L-80</td><td>0.44</td><td>0</td></tr><tr><td>158</td><td>Tubing 2 7/8</td><td>2.441</td><td>6.5</td><td>L-80</td><td>4,999.47</td><td>0.4</td><td>0.4</td></tr><tr><td></td><td>4,999.90</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>1</td><td>Anchor 7</td><td>2.441</td><td>6.5</td><td>L-80</td><td>2.37</td><td>4,999.90</td><td></td></tr><tr><td></td><td>5,002.30</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>1</td><td>Tubing 2 7/8</td><td>2.441</td><td>6.5</td><td>L-80</td><td>31.75</td><td>5,002.30</td><td></td></tr><tr><td></td><td>5,034.00</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>1</td><td>Pump barrel</td><td>2 7/8</td><td></td><td>6.5</td><td>L-80</td><td>29.19</td><td>5,034.00</td></tr><tr><td></td><td>5,063.20</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>1</td><td>Tubing Pup Joint</td><td></td><td>4 1/2</td><td>6.5</td><td>L-80</td><td></td><td>4.23</td></tr><tr><td></td><td>5,063.20</td><td></td><td>5,067.50</td><td></td><td></td><td></td><td></td></tr><tr><td>1</td><td>Desander</td><td>4 1/2</td><td></td><td>6.5</td><td>L-80</td><td>13.03</td><td>5,067.50</td></tr><tr><td></td><td>5,080.50</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>5</td><td>Tubing 2 7/8</td><td>2.441</td><td>6.5</td><td>L-80</td><td>158.42</td><td>5,080.50</td><td></td></tr><tr><td></td><td>5,238.90</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>1</td><td>Bull Plug</td><td></td><td></td><td></td><td></td><td>0.75</td><td>5,238.90</td></tr><tr><td></td><td>5,239.70</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>	Jts (ft)	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Len	1	Tubing Hanger	2 7/8	2.441	6.5	L-80	0.44	0	158	Tubing 2 7/8	2.441	6.5	L-80	4,999.47	0.4	0.4		4,999.90							1	Anchor 7	2.441	6.5	L-80	2.37	4,999.90			5,002.30							1	Tubing 2 7/8	2.441	6.5	L-80	31.75	5,002.30			5,034.00							1	Pump barrel	2 7/8		6.5	L-80	29.19	5,034.00		5,063.20							1	Tubing Pup Joint		4 1/2	6.5	L-80		4.23		5,063.20		5,067.50					1	Desander	4 1/2		6.5	L-80	13.03	5,067.50		5,080.50							5	Tubing 2 7/8	2.441	6.5	L-80	158.42	5,080.50			5,238.90							1	Bull Plug					0.75	5,238.90		5,239.70						
Jts (ft)	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Len																																																																																																																																														
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17:00	13.00	06:00	LOCL	Lock Wellhead & Secure	WSI.																																																																																																																																																

LC Tribal 1H-27-46 1/10/2012 06:00 - 1/11/2012 06:00

API/UWI 43-013-33568	State/Province Utah	County Duchesne	Field Name Brundage Canyon/Lake Canyon	Well Status PRODUCING	Total Depth (ftKB) 6,367.0	Primary Job Type Drilling & Completion
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Time Log

Start Time	Dur (hr)	End Time	Code	Category	Com

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		5. Lease Serial No. 20G0005500	
2. Name of Operator BILL BARRETT CORPORATION Contact: MEGAN FINNEGAN E-Mail: mfinnegan@billbarrettcorp.com		6. If Indian, Allottee or Tribe Name 7. Unit or CA Agreement Name and No.	
3. Address 1099 18TH STREET SUITE 2300 DENVER, CO 80202		8. Lease Name and Well No. LC TRIBAL 1H-27-46 9. API Well No. 43-013-33568	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NWNW 781FNL 752FWL At top prod interval reported below NENW 799FNL 1398FWL At total depth NENE 799FNL 798FEL		10. Field and Pool, or Exploratory ALTAMONT 11. Sec., T., R., M., or Block and Survey or Area Sec 27 T4S R6W Mer UBM 12. County or Parish DUCESNE 13. State UT	
14. Date Spudded 08/25/2011		15. Date T.D. Reached 11/26/2011	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 12/25/2011		17. Elevations (DF, KB, RT, GL)* 7169 GL	
18. Total Depth: MD 9330 TVD 5926		19. Plug Back T.D.: MD 9286 TVD 5924.32	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL, TRIPLE COMOB, MUD	
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)			

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26.000	16.000 COND	65.0	0	104	104			0	
12.250	9.625 J-55	36.0	0	1875	1870	520	211	0	
8.750	7.000 P-110	23.0	0	6367	6203	735	240	1830	
6.125	4.500 P-110	11.6	0	9330	9330				

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	8239							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WSTC GREEN RIVER	6281	9237	6281 TO 9237			SLOTTED SLEEVES
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
6281 TO 9237	GREEN RIVER: SEE TREATMENT STAGES 1 - 15

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
12/25/2011	12/29/2011	24	→	396.0	131.0	986.0	52.0		FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
30/64	SI	194.0	→	396	131	986	331	PGW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #130590 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

RECEIVED

FEB 09 2012

DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD
30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				GREEN RIVER	1977
				MAHOGANY	2481
				DOUGLAS CREEK	4496
				BLACK SHALE	5149
				CASTLE PEAK	5512
				UTELAND BUTTE	5794
				WASATCH	6002
				TD	9330

32. Additional remarks (include plugging procedure):

TOC was calculated by CBL. CBL and logs were mailed due to file size. First gas sales was on 12/25/2011. First oil sales was on 12/29/2011. Conductor was cemented with grout. Production liner was not cemented. Stimulation Sleeves were used to complete wells, attached is swell packer and stimulation sleeve placement data.

Tubing was set on 1/9/2012 after the production test date. There is no tubing pressure for the test data that was taken on 12/29/2012.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

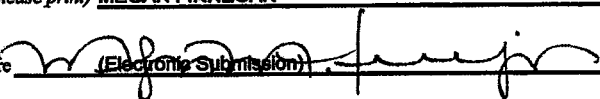
34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #130590 Verified by the BLM Well Information System.
For BILL BARRETT CORPORATION, sent to the Vernal

Name (please print) MEGAN FINNEGAN

Title PERMIT ANALYST

Signature


 (Electronic Submission)

Date 02/09/2012

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

LC Tribal 1H-27-46 Completion Report Continued*

44. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. (cont.)			
AMOUNT AND TYPE OF MATERIAL			
<u>Stage</u>	<u>BBS Slurry</u>	<u>lbs 20/40 White Sand</u>	<u>lbs 100 Mesh Sand</u>
1	2,795	107,400	23,100
2	2,781	117,400	26,100
3	2,980	120,100	28,200
4	2,809	105,108	28,292
5	2,805	121,300	28,200
6	3,193	120,400	27,800
7	2,886	121,200	28,500
8	2,818	120,700	28,700
9	2,770	118,000	28,300
10	2,861	120,600	28,600
11	3,248	119,100	28,700
12	2,824	118,500	29,200
13	2,930	123,700	28,600
14	2,816	122,100	28,200
15	2240	98,400	19,900

*Depth intervals for frac information same as perforation record intervals.

Bill Barrett Corp

Duchesne County, UT (NAD 1927)

Sec. 27-T4S-R6W

LC Tribal #1H-27-46

Plan A Rev 1 (ST 1)

Survey: Sperry MWD Surveys

Sperry Drilling Services Standard Report

26 January, 2012

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FEB 09 2012

DIV. OF OIL, GAS & MINING

Well Coordinates: 648,245.76 N, 2,264,294.18 E (40° 06' 33.40" N, 110° 33' 18.20" W)

Ground Level: 7,168.00 ft

Local Coordinate Origin:

Centered on Well LC Tribal #1H-27-46

Viewing Datum:

RKB 24' @ 7192.00ft (H&P 319)

TVDs to System:

N

North Reference:

True

Unit System:

API - US Survey Feet - Custom

Geodetic Scale Factor Applied

Version: 2003.16 Build: 43I

HALLIBURTON

HALLIBURTON**Survey Report for LC Tribal #1H-27-46 - Sperry MWD Surveys**

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
5,308.00	2.65	299.70	5,307.58	3.47	-18.55	-18.56	0.00
Tie On							
5,328.00	2.38	41.57	5,327.57	4.01	-18.68	-18.69	19.54
First MWD Survey ST							
5,359.00	5.44	71.53	5,358.49	4.96	-16.86	-16.87	11.55
5,391.00	8.89	83.03	5,390.24	5.74	-12.96	-12.98	11.62
5,422.00	12.86	87.71	5,420.68	6.17	-7.14	-7.15	13.11
5,453.00	16.86	92.32	5,450.64	6.13	0.81	0.79	13.45
5,485.00	19.93	95.98	5,481.00	5.37	10.87	10.85	10.25
5,516.00	22.81	97.77	5,509.86	4.01	22.08	22.07	9.52
5,548.00	26.24	96.37	5,538.97	2.38	35.26	35.26	10.87
5,579.00	29.08	93.57	5,566.43	1.15	49.60	49.59	10.07
5,610.00	31.76	91.74	5,593.16	0.44	65.27	65.27	9.15
5,642.00	35.30	90.16	5,619.83	0.15	82.94	82.94	11.39
5,673.00	38.44	89.14	5,644.63	0.27	101.54	101.54	10.32
5,704.00	40.67	90.06	5,668.53	0.41	121.28	121.28	7.44
5,735.00	43.05	92.74	5,691.62	-0.11	141.95	141.95	9.60
5,767.00	45.88	94.51	5,714.45	-1.53	164.32	164.32	9.65
5,798.00	49.18	95.63	5,735.38	-3.56	187.09	187.10	10.97
5,829.00	53.91	94.26	5,754.66	-5.64	211.27	211.29	15.64
5,860.00	58.18	92.91	5,771.97	-7.24	236.93	236.95	14.24
5,892.00	60.14	92.33	5,788.37	-8.50	264.37	264.40	6.32
5,923.00	63.31	92.42	5,803.05	-9.63	291.65	291.67	10.23
5,954.00	66.86	91.92	5,816.11	-10.69	319.74	319.77	11.54
5,985.00	71.22	91.20	5,827.20	-11.48	348.67	348.70	14.23
6,016.00	75.71	91.14	5,836.02	-12.08	378.37	378.41	14.49
6,048.00	79.42	91.49	5,842.91	-12.80	409.61	409.64	11.64
6,079.00	82.66	91.38	5,847.74	-13.57	440.22	440.25	10.46
6,110.00	85.46	91.63	5,850.94	-14.38	471.03	471.08	9.07
6,141.00	86.74	91.87	5,853.05	-15.32	501.95	501.99	4.20
6,167.00	87.25	91.95	5,854.41	-16.19	527.90	527.94	1.99
6,238.00	88.76	90.44	5,856.89	-17.67	598.84	598.89	3.01
6,285.00	88.62	90.10	5,857.96	-17.89	645.82	645.87	0.78
6,333.00	88.32	89.19	5,859.24	-17.59	693.80	693.85	2.00
6,380.00	87.85	88.52	5,860.81	-16.65	740.77	740.81	1.74
6,427.00	88.56	88.58	5,862.29	-15.46	787.73	787.77	1.52
6,474.00	89.90	89.16	5,862.92	-14.54	834.71	834.75	3.11
6,523.00	88.89	88.63	5,863.43	-13.59	883.70	883.74	2.33
6,570.00	88.59	88.99	5,864.47	-12.62	930.68	930.71	1.00
6,618.00	89.97	89.19	5,865.07	-11.85	978.67	978.70	2.91
6,665.00	89.80	89.05	5,865.17	-11.13	1,025.66	1,025.69	0.47
6,712.00	89.83	89.47	5,865.32	-10.53	1,072.66	1,072.69	0.90
6,759.00	88.42	89.62	5,866.03	-10.15	1,119.65	1,119.68	3.02
6,808.00	88.32	89.74	5,867.43	-9.88	1,168.63	1,168.65	0.32
6,855.00	89.43	89.61	5,868.35	-9.61	1,215.62	1,215.64	2.38
6,903.00	89.50	89.64	5,868.80	-9.30	1,263.62	1,263.64	0.16
6,950.00	90.77	89.80	5,868.69	-9.07	1,310.62	1,310.64	2.72
6,998.00	89.87	89.56	5,868.42	-8.80	1,358.61	1,358.63	1.94
7,045.00	90.30	90.27	5,868.35	-8.73	1,405.61	1,405.63	1.77
7,094.00	90.03	91.57	5,868.21	-9.52	1,454.61	1,454.63	2.71

Survey Report for LC Tribal #1H-27-46 - Sperry MWD Surveys

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
7,141.00	87.62	91.73	5,869.17	-10.87	1,501.57	1,501.60	5.14
7,189.00	86.87	92.59	5,871.48	-12.68	1,549.48	1,549.51	2.38
7,236.00	87.75	91.62	5,873.69	-14.40	1,596.40	1,596.43	2.78
7,284.00	86.51	91.06	5,876.09	-15.52	1,644.32	1,644.36	2.83
7,331.00	85.49	90.83	5,879.37	-16.30	1,691.20	1,691.24	2.22
7,379.00	87.98	90.09	5,882.10	-16.68	1,739.12	1,739.16	5.41
7,426.00	90.00	90.38	5,882.93	-16.87	1,786.11	1,786.15	4.34
7,474.00	90.84	90.57	5,882.58	-17.27	1,834.10	1,834.15	1.79
7,521.00	90.07	89.87	5,882.21	-17.45	1,881.10	1,881.15	2.21
7,569.00	88.35	90.45	5,882.87	-17.59	1,929.10	1,929.14	3.78
7,616.00	88.08	91.47	5,884.33	-18.37	1,976.07	1,976.11	2.24
7,664.00	89.29	91.76	5,885.43	-19.72	2,024.03	2,024.08	2.59
7,711.00	89.50	92.01	5,885.93	-21.27	2,071.00	2,071.06	0.69
7,758.00	89.23	91.65	5,886.45	-22.77	2,117.98	2,118.04	0.96
7,805.00	89.40	92.20	5,887.01	-24.35	2,164.95	2,165.01	1.22
7,853.00	88.22	91.59	5,888.01	-25.94	2,212.91	2,212.98	2.77
7,900.00	88.09	90.59	5,889.52	-26.83	2,259.88	2,259.95	2.14
7,948.00	88.12	90.01	5,891.11	-27.08	2,307.85	2,307.92	1.21
7,995.00	87.41	91.59	5,892.94	-27.74	2,354.81	2,354.88	3.68
8,044.00	87.54	91.98	5,895.10	-29.26	2,403.74	2,403.81	0.84
8,091.00	88.35	92.42	5,896.79	-31.07	2,450.67	2,450.75	1.96
8,138.00	88.69	92.35	5,898.00	-33.02	2,497.61	2,497.70	0.74
8,185.00	89.43	91.49	5,898.77	-34.59	2,544.58	2,544.67	2.41
8,234.00	89.19	90.05	5,899.36	-35.25	2,593.57	2,593.66	2.98
8,281.00	89.93	90.35	5,899.72	-35.42	2,640.57	2,640.66	1.70
8,328.00	90.07	89.66	5,899.72	-35.42	2,687.57	2,687.66	1.50
8,375.00	88.69	90.26	5,900.23	-35.39	2,734.56	2,734.66	3.20
8,423.00	90.40	90.62	5,900.61	-35.76	2,782.56	2,782.65	3.64
8,470.00	89.93	88.96	5,900.48	-35.59	2,829.56	2,829.65	3.67
8,518.00	89.56	90.39	5,900.69	-35.31	2,877.55	2,877.65	3.08
8,565.00	89.66	90.79	5,901.01	-35.80	2,924.55	2,924.65	0.88
8,614.00	88.25	90.05	5,901.90	-36.16	2,973.54	2,973.63	3.25
8,661.00	86.77	90.09	5,903.95	-36.21	3,020.49	3,020.59	3.15
8,709.00	87.11	90.45	5,906.51	-36.44	3,068.43	3,068.52	1.03
8,756.00	87.31	90.18	5,908.80	-36.70	3,115.37	3,115.46	0.71
8,804.00	88.66	90.71	5,910.48	-37.07	3,163.34	3,163.43	3.02
8,851.00	87.75	89.96	5,911.96	-37.34	3,210.31	3,210.41	2.51
8,899.00	88.05	89.81	5,913.71	-37.25	3,258.28	3,258.38	0.70
8,946.00	89.16	89.81	5,914.86	-37.09	3,305.26	3,305.36	2.36
8,994.00	90.54	89.92	5,914.98	-36.98	3,353.26	3,353.36	2.88
9,041.00	88.76	89.23	5,915.27	-36.63	3,400.26	3,400.35	4.06
9,089.00	85.66	87.20	5,917.61	-35.14	3,448.17	3,448.26	7.72
9,136.00	88.89	88.60	5,919.84	-33.42	3,495.08	3,495.16	7.49
9,184.00	88.25	86.91	5,921.04	-31.54	3,543.02	3,543.10	3.76
9,231.00	88.15	84.94	5,922.52	-28.20	3,589.88	3,589.95	4.19
9,278.00	88.22	83.96	5,924.01	-23.66	3,636.64	3,636.69	2.09
Final MWD Survey ST							
9,330.00	88.22	83.96	5,925.62	-18.19	3,688.32	3,688.36	0.00
Straight Line Projection to Bit							

Survey Report for LC Tribal #1H-27-46 - Sperry MWD Surveys

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
5,308.00	5,307.58	3.47	-18.55	Tie On
5,328.00	5,327.57	4.01	-18.68	First MWD Survey ST
9,278.00	5,924.01	-23.66	3,636.64	Final MWD Survey ST
9,330.00	5,925.62	-18.19	3,688.32	Straight Line Projection to Bit

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (ft)
				+N/-S (ft)	+E/-W (ft)	
Target	LC Tribal #1H-27-46_Plan A	90.17	Slot	0.00	0.00	0.00
	Rev 0_BHL Tgt					
5,328.00	9,330.00	Sperry MWD Surveys			MWD	

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
LC Tribal #1H-27-46	0.00	0.00	0.00	0.00	0.00	648,245.76	2,264,294.18	40° 6' 33.401 N	110° 33' 18.202 W
- survey misses target center by 5307.61ft at 5308.00ft MD (5307.58 TVD, 3.47 N, -18.55 E)									
- Polygon									
LC Tribal #1H-27-46	0.00	0.00	5,987.00	-11.01	3,680.88	648,273.63	2,267,974.64	40° 6' 33.289 N	110° 32' 30.829 W
- survey misses target center by 62.06ft at 9325.26ft MD (5925.47 TVD, -18.69 N, 3683.61 E)									
- Point									
LC Tribal #1H-27-46	0.00	0.00	0.00	0.01	0.00	648,245.77	2,264,294.18	40° 6' 33.401 N	110° 33' 18.202 W
- survey misses target center by 5307.61ft at 5308.00ft MD (5307.58 TVD, 3.47 N, -18.55 E)									
- Point									
LC Tribal #1H-27-46	0.00	0.00	0.00	0.01	0.00	648,245.77	2,264,294.18	40° 6' 33.401 N	110° 33' 18.202 W
- survey misses target center by 5307.61ft at 5308.00ft MD (5307.58 TVD, 3.47 N, -18.55 E)									
- Polygon									

HALLIBURTON

North Reference Sheet for Sec. 27-T4S-R6W - LC Tribal #1H-27-46 - Plan A Rev 1 (ST 1)

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.

Vertical Depths are relative to RKB 24' @ 7192.00ft (H&P 319). Northing and Easting are relative to LC Tribal #1H-27-46

Coordinate System is US State Plane 1927 (Exact solution), Utah Central 4302 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866

Projection method is Lambert Conformal Conic (2 parallel)

Central Meridian is 111° 30' 0.000 W°, Longitude Origin: 0° 0' 0.000 E°, Latitude Origin: 40° 39' 0.000 N°

False Easting: 2,000,000.00ft, False Northing: 0.00ft, Scale Reduction: 0.99991025

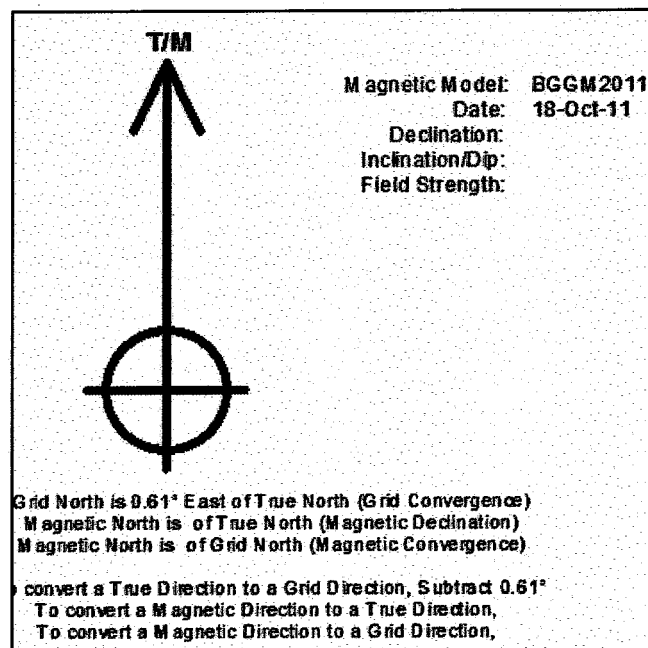
Grid Coordinates of Well: 648,245.76 ft N, 2,264,294.18 ft E

Geographical Coordinates of Well: 40° 06' 33.40" N, 110° 33' 18.20" W

Grid Convergence at Surface is: 0.61°

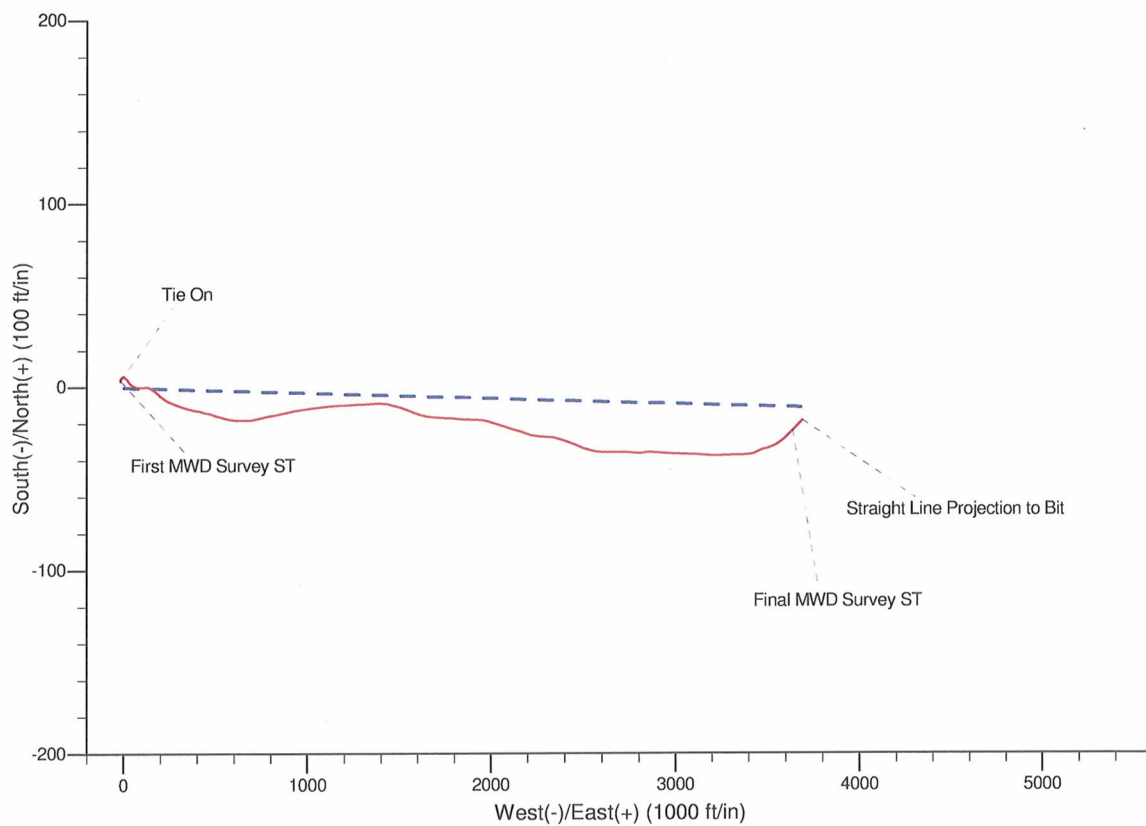
Based upon Minimum Curvature type calculations, at a Measured Depth of 9,330.00ft the Bottom Hole Displacement is 3,688.37ft in the Direction of 90.28° (True).

Magnetic Convergence at surface is: ° (18 October 2011, , BGGM2011)



LEGEND

- LC Tribal #1H-27-46, Plan A Rev 1 (ST 1), Plan A Rev 1 (ST 1) Proposal V0
- Sperry MWD Surveys



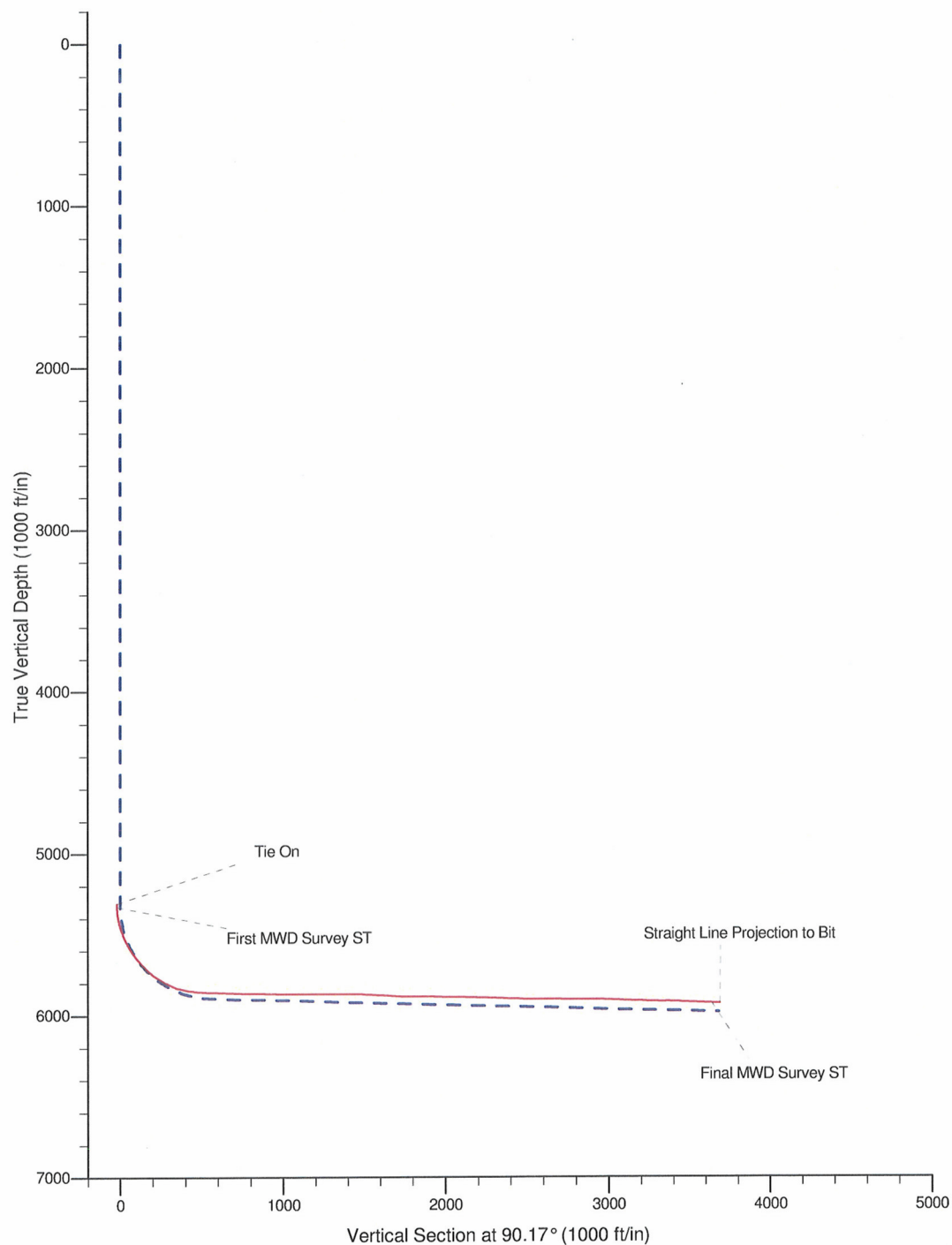
Project: Duchesne County, UT (NAD 1927)
Site: Sec. 27-T4S-R6W
Well: LC Tribal #1H-27-46

Bill Barrett Corp

HALLIBURTON
Sperry Drilling

LEGEND

- LC Tribal #1H-27-46, Plan A Rev 1 (ST 1), Plan A Rev 1 (ST 1) Proposal V0
- Sperry MWD Surveys



WELL INFORMATION

Well Name:	LC Tribal 1H-27-46		
Company:	Bill Barrett	State:	Utah
Date:	November 28, 2011	County:	Duchesne

STIMULATION SLEEVES**SAP#**

DSS #	ID (in)	Ball	DEPTH
DSI	1.540	1.625	9,234
1	1.790	1.875	9,020
2	1.915	2.000	8,806
3	2.040	2.125	8,591
4	2.165	2.250	8,377
5	2.290	2.375	8,162
6	2.415	2.500	7,948
7	2.540	2.625	7,734
8	2.665	2.750	7,523
9	2.790	2.875	7,308
10	2.915	3.000	7,094
11	3.040	3.125	6,879
12	3.155	3.280	6,666
13	3.310	3.443	6,451
14	3.473	3.615	6,281
15			
16			
17			
18			
19			
20			
21			
22			
23			

SWELL PACKERS**SAP#**

SP #	DEPTH	SP #
1	9,139	24
2	8,925	25
3	8,710	26
4	8,495	27
5	8,281	28
6	8,067	29
7	7,852	30
8	7,638	31
9	7,427	32
10	7,213	33
11	6,998	34
12	6,785	35
13	6,570	36
14	6,356	37
15	6,228	38
16	5,939	39
17		40
18		41
19		42
20		43
21		44
22		45
23		46

[illegible]

Effective Date: 11/1/2016

FORMER OPERATOR:	NEW OPERATOR:
Bill Barrett Corporation 1099 18th Street, Suite 2300 Denver, CO 80202	Rig II, LLC 1582 West 2600 South Woods Cross, UT 84087
CA Number(s):	Unit(s):

WELL INFORMATION:

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

OPERATOR CHANGES DOCUMENTATION:

1. Sundry or legal documentation was received from the **FORMER** operator on: 10/21/2016
2. Sundry or legal documentation was received from the **NEW** operator on: 10/21/2016
3. New operator Division of Corporations Business Number: 8256968-0160

REVIEW:

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: N/A
2. Receipt of Acceptance of Drilling Procedures for APD on: 10/21/2016
3. Reports current for Production/Disposition & Sundries: 11/2/2016
4. OPS/SI/TA well(s) reviewed for full cost bonding: 11/3/2016
5. UIC5 on all disposal/injection/storage well(s) approved on: 11/3/2016
6. Surface Facility(s) included in operator change: None
7. Inspections of PA state/fee well sites complete on (only upon operators request): 11/3/2016

NEW OPERATOR BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UTB000712
2. Indian well(s) covered by Bond Number: LPM 922467
3. State/fee well(s) covered by Bond Number(s): 9219529

DATA ENTRY:

1. Well(s) update in the **OGIS** on: 11/7/2016
2. Entity Number(s) updated in **OGIS** on: 11/7/2016
3. Unit(s) operator number update in **OGIS** on: N/A
4. Surface Facilities update in **OGIS** on: N/A
5. State/Fee well(s) attached to bond(s) in **RBDMS** on: 11/7/2016
6. Surface Facilities update in **RBDMS** on: N/A

COMMENTS:

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

Well Name	Sec	TWN	RNG	API Number	Entity	Mineral	Surface	Type	Status
SWD 9-36 BTR	9	030S	060W	4301350646	18077	Indian	Fee	WD	A
16-6D-46 BTR SWD	6	040S	060W	4301350781	18327	Indian	Fee	WD	A
6-32-36 BTR SWD	32	030S	060W	4301350921	18329	Indian	Fee	WD	A
LC TRIBAL 8-26D-47	26	040S	070W	4301334024		Indian	Indian	OW	APD
16-21D-37 BTR	21	030S	070W	4301350758		Indian	Fee	OW	APD
14-11D-37 BTR	11	030S	070W	4301350862		Indian	Fee	OW	APD
7-17D-46 BTR	17	040S	060W	4301350883		Indian	Indian	OW	APD
14-12D-37 BTR	12	030S	070W	4301350894		Indian	Fee	OW	APD
1-18D-36 BTR	18	030S	060W	4301350922		Indian	Fee	OW	APD
13-2D-45 BTR	2	040S	050W	4301350931		Indian	Indian	OW	APD
5H-16-46 BTR	16	040S	060W	4301350992		Indian	Indian	OW	APD
9H-17-45 BTR	17	040S	050W	4301351098		Indian	Indian	OW	APD
13H-8-46 BTR UB	8	040S	060W	4301351124		Indian	Indian	OW	APD
8H-9-46 BTR	9	040S	060W	4301351140		Indian	Indian	OW	APD
LC TRIBAL 7-31D-37	31	030S	070W	4301351147		Indian	Fee	OW	APD
14-16D-45 BTR	16	040S	050W	4301351178		Indian	Indian	OW	APD
16-19D-37 BTR	19	030S	070W	4301351179		Indian	Fee	OW	APD
6-2D-45 BTR	2	040S	050W	4301351234		Indian	Indian	OW	APD
2-2D-45 BTR	2	040S	050W	4301351235		Indian	Indian	OW	APD
10-26-35 BTR	26	030S	050W	4301351248		Indian	Fee	OW	APD
LC TRIBAL 1H-33-46	33	040S	060W	4301351257		Indian	Fee	OW	APD
LC TRIBAL 9-25D-46	25	040S	060W	4301351276		Indian	Indian	OW	APD
LC TRIBAL 8H-30-45	30	040S	050W	4301351277		Indian	Indian	OW	APD
LC TRIBAL 16H-30-45	30	040S	050W	4301351279		Indian	Indian	OW	APD
LC TRIBAL 13-30D-45	30	040S	050W	4301351282		Indian	Indian	OW	APD
LC TRIBAL 16H-36-46	36	040S	060W	4301351291		Indian	Indian	OW	APD
LC TRIBAL 13H-30-46	30	040S	060W	4301351321		Indian	Indian	OW	APD
LC TRIBAL 13H-31-46	31	040S	060W	4301351326		Indian	Indian	OW	APD
LC TRIBAL 16-31D-46	31	040S	060W	4301351328		Indian	Indian	OW	APD
LC TRIBAL 5H-26-47	26	040S	070W	4301351337		Indian	Indian	OW	APD
LC TRIBAL 5H-19-45	20	040S	050W	4301351349		Indian	Indian	OW	APD
LC TRIBAL 16-36D-47	36	040S	070W	4301351363		Indian	Indian	OW	APD
15-4D-47 BTR	4	040S	070W	4301351377		Indian	Fee	OW	APD
16-23D-46 LC TRIBAL	23	040S	060W	4301351396		Indian	Fee	OW	APD
15-2D-36 BTR	2	030S	060W	4301351419		Indian	Fee	OW	APD
16-23D-37 BTR	23	030S	070W	4301351420		Indian	Fee	OW	APD
11-9D-47 BTR	9	040S	070W	4301351422		Indian	Fee	OW	APD
15-13D-47 BTR	13	040S	070W	4301351424		Indian	Indian	OW	APD
LC TRIBAL 15-19D-46	19	040S	060W	4301351426		Indian	Indian	OW	APD
16-13D-45 BTR	13	040S	050W	4301351428		Indian	Indian	OW	APD

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

14-12D-45 BTR	12	040S	050W	4301351444		Indian	Indian	OW	APD
16-14D-45 BTR	14	040S	050W	4301351445		Indian	Indian	OW	APD
5-13D-45 BTR	13	040S	050W	4301351446		Indian	Indian	OW	APD
LC TRIBAL 16-26D-46	26	040S	060W	4301351450		Indian	State	OW	APD
LC TRIBAL 16-34D-46	34	040S	060W	4301351451		Indian	State	OW	APD
16-12D-45 BTR	12	040S	050W	4301351452		Indian	Indian	OW	APD
8-12D-45 BTR	12	040S	050W	4301351453		Indian	Indian	OW	APD
LC TRIBAL 1-35D-46	35	040S	060W	4301351454		Indian	Fee	OW	APD
16-25D-37 BTR	25	030S	070W	4301351455		Indian	Fee	OW	APD
LC TRIBAL 13H-29-46	28	040S	060W	4301351462		Indian	Fee	OW	APD
LC TRIBAL 14-30D-37	30	030S	070W	4301351494		Indian	Fee	OW	APD
7-13D-45 BTR	13	040S	050W	4301351497		Indian	Indian	OW	APD
LC TRIBAL 4H-35-46	35	040S	060W	4301351515		Indian	Fee	OW	APD
LC TRIBAL 13H-19-46	19	040S	060W	4301351543		Indian	Indian	OW	APD
16-26D-37 BTR	26	030S	070W	4301351598		Indian	Fee	OW	APD
LC TRIBAL 16-31D-37	31	030S	070W	4301351610		Indian	Fee	OW	APD
5-4-35 BTR	4	030S	050W	4301351613		Indian	Fee	OW	APD
LC TRIBAL 16-31D-47	31	040S	070W	4301351616		Indian	Indian	OW	APD
LC TRIBAL 13H-31-47	31	040S	070W	4301351617		Indian	Indian	OW	APD
LC TRIBAL 13-32D-47	32	040S	070W	4301351619		Indian	Indian	OW	APD
LC TRIBAL 16H-32-47	32	040S	070W	4301351620		Indian	Indian	OW	APD
LC TRIBAL 1-32D-47	32	040S	070W	4301351624		Indian	Indian	OW	APD
LC TRIBAL 4H-32-47	32	040S	070W	4301351625		Indian	Indian	OW	APD
LC TRIBAL 13-28D-47	28	040S	070W	4301351627		Indian	Indian	OW	APD
LC TRIBAL 13H-29-47	28	040S	070W	4301351628		Indian	Indian	OW	APD
LC TRIBAL 16H-28-47	28	040S	070W	4301351629		Indian	Indian	OW	APD
LC TRIBAL 1-28D-47	28	040S	070W	4301351639		Indian	Indian	OW	APD
LC TRIBAL 1H-27-47	28	040S	070W	4301351640		Indian	Indian	OW	APD
LC TRIBAL 4H-28-47	28	040S	070W	4301351641		Indian	Indian	OW	APD
LC TRIBAL 7-25D-58	25	050S	080W	4301351643		Indian	Indian	OW	APD
LC TRIBAL 6-25D-58	25	050S	080W	4301351644		Indian	Indian	OW	APD
LC TRIBAL 13H-24-58	24	050S	080W	4301351645		Indian	Indian	OW	APD
LC TRIBAL 16-24D-58	24	050S	080W	4301351646		Indian	Indian	OW	APD
LC Tribal 8-23D-46	23	040S	060W	4301351654		Indian	Fee	OW	APD
LC Tribal 16-35D-45	35	040S	050W	4301351656		Indian	Fee	OW	APD
LC Tribal 13H-35-45	35	040S	050W	4301351657		Indian	Fee	OW	APD
LC Tribal 16-36D-45	36	040S	050W	4301351658		Indian	Fee	OW	APD
LC Tribal 13H-36-45	36	040S	050W	4301351659		Indian	Fee	OW	APD
LC Tribal 5-36D-45	36	040S	050W	4301351661		Indian	Fee	OW	APD
LC Tribal 8-26D-46	26	040S	060W	4301351663		Indian	Fee	OW	APD
3-29D-36 BTR	29	030S	060W	4301351665		Indian	Fee	OW	APD

From: Bill Barrett Corporation

To: Rig II, LLC

Effective 11/1/2016

LC Tribal 5-35D-45	35	040S	050W	4301351666	Indian	Fee	OW	APD
LC Tribal 5-24D-46	24	040S	060W	4301351668	Indian	Indian	OW	APD
LC TRIBAL 6-12D-58	12	050S	080W	4301351696	Indian	Indian	OW	APD
LC TRIBAL 8-12D-58	12	050S	080W	4301351697	Indian	Indian	OW	APD
LC TRIBAL 16H-22-47	21	040S	070W	4301351700	Indian	Indian	OW	APD
5-25D-37 BTR	25	030S	070W	4301351803	Indian	Fee	OW	APD
8-3D-36 BTR	3	030S	060W	4301351804	Indian	Fee	OW	APD
14-26D-37 BTR	26	030S	070W	4301351805	Indian	Fee	OW	APD
9-4-35 BTR	4	030S	050W	4301351806	Indian	Fee	OW	APD
11-4D-35 BTR	4	030S	050W	4301351807	Indian	Fee	OW	APD
16-27D-37 BTR	27	030S	070W	4301351808	Indian	Fee	OW	APD
14-27D-37 BTR	27	030S	070W	4301351809	Indian	Fee	OW	APD
14-16D-46 BTR	16	040S	060W	4301351812	Indian	Indian	OW	APD
LC Tribal 16-35D-48	35	040S	080W	4301351847	Indian	Indian	OW	APD
LC Tribal 13H-35-48	35	040S	080W	4301351848	Indian	Indian	OW	APD
LC Tribal 13-2D-58	11	050S	080W	4301351850	Indian	Indian	OW	APD
5-13D-36 BTR	13	030S	060W	4301351862	Indian	Fee	OW	APD
5-8D-36 BTR	8	030S	060W	4301351871	Indian	Fee	OW	APD
16-1D-36 BTR	1	030S	060W	4301351872	Indian	Fee	OW	APD
8-18D-46 BTR	18	040S	060W	4301351897	Indian	Fee	OW	APD
LC Tribal 5-36D-46	36	040S	060W	4301351905	Indian	Indian	OW	APD
LC Tribal 5-26D-45	26	040S	050W	4301351907	Indian	Indian	OW	APD
14-13D-45 BTR	13	040S	050W	4301351974	Indian	Indian	OW	APD
14-34D-46 DLB	34	040S	060W	4301351975	Indian	Fee	OW	APD
LC Tribal 5-21D-45	21	040S	050W	4301352001	Indian	Indian	OW	APD
LC Tribal 8-22D-45	22	040S	050W	4301352002	Indian	Indian	OW	APD
LC Tribal 8-25D-45	25	040S	050W	4301352007	Indian	Indian	OW	APD
LC Tribal 16-25D-45	25	040S	050W	4301352008	Indian	Indian	OW	APD
LC Tribal 16-22D-45	22	040S	050W	4301352009	Indian	Indian	OW	APD
LC Tribal 16-26D-45	26	040S	050W	4301352010	Indian	Indian	OW	APD
LC Tribal 14-31D-37	31	030S	070W	4301352016	Indian	Fee	OW	APD
5-12D-45 BTR	12	040S	050W	4301352030	Indian	Indian	OW	APD
LC Tribal 9-20D-45	20	040S	050W	4301352031	Indian	Indian	OW	APD
LC Tribal 13-35D-47	35	040S	070W	4301352055	Indian	Indian	OW	APD
LC Tribal 1-23D-47	23	040S	070W	4301352057	Indian	Indian	OW	APD
9-17D-46 BTR	17	040S	060W	4301352059	Indian	Indian	OW	APD
11-18D-46 BTR	18	040S	060W	4301352060	Indian	Indian	OW	APD
9-10D-47 BTR	10	040S	070W	4301352092	Indian	Fee	OW	APD
LC Tribal 1-17D-47	17	040S	070W	4301352096	Indian	Fee	OW	APD
7-35D-37 BTR	35	030S	070W	4301352115	Indian	Fee	OW	APD
14-25D-37 BTR	25	030S	070W	4301352116	Indian	Fee	OW	APD

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LC Tribal 5-25-46	25	040S	060W	4301352126	Indian	Indian	OW	APD
8-33D-35 BTR	33	030S	050W	4301352161	Indian	Fee	OW	APD
5-4D-36 BTR	4	030S	060W	4301352175	Indian	Fee	OW	APD
7-4D-36 BTR	4	030S	060W	4301352176	Indian	Fee	OW	APD
LC Tribal 4-36D-47	36	040S	070W	4301352186	Indian	Indian	OW	APD
LC Tribal 4-22D-46	22	040S	060W	4301352944	Indian	Indian	OW	APD
LC Tribal 16-22D-46	22	040S	060W	4301352945	Indian	Indian	OW	APD
LC Tribal 11-19D-46	19	040S	060W	4301352946	Indian	Indian	OW	APD
LC Tribal 7-20D-45	20	040S	050W	4301352947	Indian	Indian	OW	APD
15-11D-35 BTR	11	030S	050W	4301353056	Indian	Fee	OW	APD
13-11D-35 BTR	11	030S	050W	4301353057	Indian	Fee	OW	APD
BTR 16-36D-37	36	030S	070W	4301353059	Indian	Fee	OW	APD
4-29D-35 BTR	30	030S	050W	4301353060	Indian	Fee	OW	APD
1-30D-35 BTR	30	030S	050W	4301353061	Fee	Fee	OW	APD
LC TRIBAL 3-23D-46	23	040S	060W	4301353066	Indian	State	OW	APD
LC Tribal 14-23D-46	23	040S	060W	4301353067	Indian	State	OW	APD
LC Tribal 13-25D-46	25	040S	060W	4301353068	Indian	Indian	OW	APD
LC Tribal 14-26D-46	26	040S	060W	4301353069	Indian	State	OW	APD
LC Tribal 5-26D-46	26	040S	060W	4301353070	Indian	State	OW	APD
LC Tribal 11-35D-45	35	040S	050W	4301353071	Indian	State	OW	APD
LC Tribal 7-35D-45	35	040S	050W	4301353072	Indian	State	OW	APD
LC Tribal 3-35D-45	35	040S	050W	4301353075	Indian	State	OW	APD
LC Tribal 14-36D-45	36	040S	050W	4301353076	Indian	State	OW	APD
LC Tribal 13-36D-45	36	040S	050W	4301353077	Indian	State	OW	APD
LC Tribal 10-36D-45	36	040S	050W	4301353078	Indian	State	OW	APD
LC Tribal 8-36D-45	36	040S	050W	4301353079	Indian	State	OW	APD
LC Tribal 6-36D-45	36	040S	050W	4301353080	Indian	State	OW	APD
LC Tribal 1-34D-46	34	040S	060W	4301353081	Indian	State	OW	APD
LC Tribal 9-27D-46	27	040S	060W	4301353082	Indian	State	OW	APD
LC Tribal 13-35D-45	35	040S	050W	4301353083	Indian	State	OW	APD
LC Tribal 8-35D-45	35	040S	050W	4301353084	Indian	State	OW	APD
LC Tribal 15-35D-45	35	040S	050W	4301353085	Indian	State	OW	APD
LC Tribal 12-25D-45	25	040S	050W	4301353122	Indian	Indian	OW	APD
LC Tribal 14-25D-45	25	040S	050W	4301353123	Indian	Indian	OW	APD
LC Tribal 10-25D-45	25	040S	050W	4301353124	Indian	Indian	OW	APD
LC Tribal 11-26-45	26	040S	050W	4301353125	Indian	Indian	OW	APD
LC Tribal 13-26D-45	26	040S	050W	4301353126	Indian	Indian	OW	APD
LC Tribal 7-31D-46	31	040S	060W	4301353127	Indian	Indian	OW	APD
LC Tribal 7-19D-45	19	040S	050W	4301353128	Indian	Indian	OW	APD
LC Tribal 5-19D-45	19	040S	050W	4301353130	Indian	Indian	OW	APD
LC Tribal 7-25D-46	25	040S	060W	4301353132	Indian	Indian	OW	APD

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LC Tribal 7-24D-46	24	040S	060W	4301353134		Indian	Indian	OW	APD
LC Tribal 14-31D-46	31	040S	060W	4301353135		Indian	Indian	OW	APD
LC Tribal 14-30D-46	30	040S	060W	4301353136		Indian	Indian	OW	APD
13-4-35 BTR SWD	4	030S	050W	4301353293		Fee	Fee	OW	APD
LC FEE 14-26D-47	26	040S	070W	4301353294		Fee	Indian	OW	APD
LC Fee 5-25D-47	25	040S	070W	4301353295		Fee	Indian	OW	APD
7-35-46 LC SWD	35	040S	060W	4301353296		Fee	Fee	OW	APD
LC Fee 1H-33-47	32	040S	070W	4301353309		Fee	Indian	OW	APD
LC FEE 14-2D-58	2	050S	080W	4301353312		Fee	Indian	OW	APD
LC FEE 13H-21-47	21	040S	070W	4301353313		Fee	Indian	OW	APD
LC Fee 16-21D-47	21	040S	070W	4301353326		Fee	Indian	OW	APD
16-7D-46 BTR	7	040S	060W	4301353328		Fee	Indian	OW	APD
LC Fee 15-26D-47	26	040S	070W	4301353331		Fee	Indian	OW	APD
LC Fee 4-24D-47	23	040S	070W	4301353332		Fee	Indian	OW	APD
LC Fee 5-34D-47	34	040S	070W	4301353333		Fee	Indian	OW	APD
LC Fee 5-35D-47	35	040S	070W	4301353334		Fee	Indian	OW	APD
13-34D-47 LC Fee	34	040S	070W	4301353337		Fee	Indian	OW	APD
14-35D-35 BTR	35	030S	050W	4301352120		Fee	Fee	OW	DRL
6-17D-46 BTR	17	040S	060W	4301351078		Indian	Indian	OW	OPS
5-34D-35 BTR	34	030S	050W	4301351187		Indian	Fee	OW	OPS
5-10D-45 BTR	10	040S	050W	4301351221		Indian	Indian	OW	OPS
5-3D-45 BTR	3	040S	050W	4301351810		Indian	Indian	OW	OPS
9-34D-35 BTR	34	030S	050W	4301352117		Fee	Fee	OW	OPS
5-35D-35 BTR	35	030S	050W	4301352118		Fee	Fee	OW	OPS
1-2D-46 BTR	2	040S	060W	4301353086		Indian	Fee	OW	OPS
7-21-46 DLB	21	040S	060W	4301333567	16526	Indian	Indian	OW	P
LC TRIBAL 1H-27-46	27	040S	060W	4301333568	18175	Indian	Fee	GW	P
7-29-46 DLB	29	040S	060W	4301333584	17603	Indian	Fee	GW	P
LC TRIBAL 12H-28-46	28	040S	060W	4301333631	18132	Indian	Indian	GW	P
LC TRIBAL 13H-21-46	21	040S	060W	4301333632	18107	Indian	Indian	GW	P
12-36-36 BTR	36	030S	060W	4301333638	16336	Indian	Fee	GW	P
5-5-46 BTR	5	040S	060W	4301333639	16542	Indian	Fee	OW	P
5-23-36 BTR	23	030S	060W	4301333642	16675	Indian	Fee	GW	P
14-29-36 BTR	29	030S	060W	4301333643	16725	Indian	Fee	OW	P
14-30-36 BTR	30	030S	060W	4301333644	16701	Indian	Fee	GW	P
7-20-46 DLB	20	040S	060W	4301333657	16584	Indian	Indian	OW	P
LC TRIBAL 5-21D-46	21	040S	060W	4301333658	18887	Indian	Indian	OW	P
5-20-46 DLB	20	040S	060W	4301333659	18750	Indian	Indian	GW	P
LC TRIBAL 13H-20-46	20	040S	060W	4301333678	17979	Indian	Indian	GW	P
14-7-46 BTR	7	040S	060W	4301333806	16890	Indian	Indian	GW	P
7-8-45 BTR	8	040S	050W	4301333820	16974	Indian	Indian	OW	P

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1-5-45 BTR	5	040S	050W	4301333868	16931	Indian	Indian	OW	P
5-16-36 BTR	16	030S	060W	4301333970	17195	Indian	Fee	OW	P
5-29-36 BTR	29	030S	060W	4301333972	17557	Indian	Fee	OW	P
4-30-36 BTR	30	030S	060W	4301333973	17249	Indian	Fee	OW	P
7-19-46 DLB	19	040S	060W	4301334004	19018	Indian	Indian	OW	P
5-25-36 BTR	25	030S	060W	4301334021	17126	Fee	Fee	OW	P
5-4-45 BTR	4	040S	050W	4301334089	17507	Indian	Indian	OW	P
13-2-46 BTR	2	040S	060W	4301334090	18618	Indian	Indian	OW	P
2-3-45 BTR	3	040S	050W	4301334099	17932	Indian	Indian	OW	P
7-6-45 BTR	6	040S	050W	4301334100	17653	Indian	Indian	OW	P
1-9-45 BTR	9	040S	050W	4301334101	17910	Indian	Indian	OW	P
8-10-45 BTR	10	040S	050W	4301334102	17530	Indian	Indian	OW	P
7-17-45 BTR	17	040S	050W	4301334104	17933	Indian	Indian	OW	P
16-7-45 BTR	7	040S	050W	4301334111	17665	Indian	Indian	OW	P
15-18-45 BTR	18	040S	050W	4301334112	17832	Indian	Indian	OW	P
6-12-46 BTR	12	040S	060W	4301334114	17964	Indian	Indian	OW	P
5-13-46 BTR	13	040S	060W	4301334115	17833	Indian	Indian	OW	P
16-26-36 BTR	26	030S	060W	4301334132	18028	Indian	Fee	OW	P
1-23-36 BTR	23	030S	060W	4301334136	17722	Indian	Fee	OW	P
15-10-36 BTR	10	030S	060W	4301334277	17419	Indian	Fee	OW	P
14-5-46 BTR	5	040S	060W	4301350307	17624	Fee	Fee	OW	P
14X-22-46 DLB	22	040S	060W	4301350351	17604	Indian	Indian	OW	P
16-13-36 BTR	13	030S	060W	4301350372	17853	Indian	Fee	OW	P
5-33-46 DLB	33	040S	060W	4301350397	17765	Indian	Fee	OW	P
5-34-46 DLB	34	040S	060W	4301350415	17801	Indian	State	GW	P
LC FEE 12H-32-46	32	040S	060W	4301350431	18003	Fee	Fee	OW	P
1-13D-47 BTR	13	040S	070W	4301350445	18205	Indian	Fee	OW	P
16-8D-45 BTR	8	040S	050W	4301350466	18799	Indian	Indian	OW	P
7-13D-46 BTR	13	040S	060W	4301350470	18076	Indian	Indian	OW	P
14-8D-45 BTR	8	040S	050W	4301350567	18207	Indian	Indian	OW	P
14-5D-45 BTR	5	040S	050W	4301350568	18108	Indian	Indian	OW	P
16-31D-36 BTR	31	030S	060W	4301350573	18004	Indian	Fee	OW	P
5-7D-46 BTR	7	040S	060W	4301350574	18176	Indian	Indian	OW	P
LC TRIBAL 13H-33-46	34	040S	060W	4301350575	18223	Indian	State	OW	P
5-8-45 BTR	8	040S	050W	4301350607	18279	Indian	Indian	OW	P
16-6D-45 BTR	6	040S	050W	4301350610	18177	Indian	Indian	OW	P
5-18D-45 BTR	18	040S	050W	4301350611	18300	Indian	Indian	OW	P
7-26-37 BTR	26	030S	070W	4301350641	18131	Indian	Fee	OW	P
3-11D-36 BTR	11	030S	060W	4301350642	18299	Indian	Fee	OW	P
16-1D-46 BTR	1	040S	060W	4301350675	18525	Indian	Indian	OW	P
14-3-45 BTR	3	040S	050W	4301350676	18363	Indian	Indian	OW	P

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4-17D-45 BTR	17	040S	050W	4301350687	18517	Indian	Indian	OW	P
5-6D-45 BTR	6	040S	050W	4301350688	18726	Indian	Indian	OW	P
7-7D-45 BTR	7	040S	050W	4301350689	18380	Indian	Indian	OW	P
14-10D-45 BTR	10	040S	050W	4301350754	18447	Indian	Indian	OW	P
14-9D-45 BTR	9	040S	050W	4301350755	18379	Indian	Indian	OW	P
13-16D-36 BTR	16	030S	060W	4301350757	18206	Indian	State	OW	P
5-9D-36 BTR	9	030S	060W	4301350843	18381	Indian	Fee	OW	P
16-5D-46 BTR	5	040S	060W	4301350844	18280	Fee	Fee	OW	P
5-27D-37 BTR	27	030S	070W	4301350847	18526	Indian	Fee	OW	P
7-4D-45 BTR	4	040S	050W	4301350884	18562	Indian	Indian	OW	P
2-16D-45 BTR	16	040S	050W	4301350899	18619	Indian	Indian	OW	P
16-10D-45 BTR	10	040S	050W	4301350902	18725	Indian	Indian	OW	P
5-2D-36 BTR	2	030S	060W	4301350913	18886	Indian	Fee	OW	P
13H-27-36 BTR	27	030S	060W	4301350918	18445	Indian	State	OW	P
8-16D-46 BTR	16	040S	060W	4301350953	19027	Indian	Indian	OW	P
16-16D-46 BTR	16	040S	060W	4301350956	19028	Indian	Indian	OW	P
16-9D-45 BTR	9	040S	050W	4301350962	18662	Indian	Indian	OW	P
14-31D-36 BTR	31	030S	060W	4301350973	18524	Indian	Fee	OW	P
5-10D-36 BTR	10	030S	060W	4301350978	18989	Indian	Fee	OW	P
1-32D-36 BTR	32	030S	060W	4301350979	18648	Indian	Fee	OW	P
16-12D-36 BTR	12	030S	060W	4301350980	18748	Indian	Fee	OW	P
2-18D-45 BTR	18	040S	050W	4301350991	18776	Indian	Indian	OW	P
3-1-46 BTR	1	040S	060W	4301351017	18777	Indian	Fee	OW	P
10-5-45 BTR	5	040S	050W	4301351062	18724	Indian	Indian	OW	P
12-4D-45 BTR	4	040S	050W	4301351063	18813	Indian	Indian	OW	P
1-10D-45 BTR	10	040S	050W	4301351064	18966	Indian	Indian	OW	P
16-2D-46 BTR	2	040S	060W	4301351079	18830	Indian	Indian	OW	P
9H-4-45 BTR	4	040S	050W	4301351092	18814	Indian	Indian	OW	P
12-17-45 BTR	17	040S	050W	4301351097	18984	Indian	Indian	OW	P
5-9D-46 BTR	9	040S	060W	4301351109	19313	Indian	Fee	OW	P
14-9D-36 BTR	9	030S	060W	4301351144	19004	Indian	Fee	OW	P
5-31D-36 BTR	31	030S	060W	4301351146	18691	Indian	Fee	OW	P
4-9D-45 BTR	9	040S	050W	4301351157	18883	Indian	Indian	OW	P
8-12D-46 BTR	12	040S	060W	4301351159	18911	Indian	Indian	OW	P
LC TRIBAL 16-23D-47	23	040S	070W	4301351180	18617	Indian	Indian	OW	P
14-7D-45 BTR	7	040S	050W	4301351222	18949	Indian	Indian	OW	P
5-16D-45 BTR	16	040S	050W	4301351223	18987	Indian	Indian	OW	P
4-5D-45 BTR	5	040S	050W	4301351242	18882	Indian	Indian	OW	P
LC TRIBAL 16H-19-45	19	040S	050W	4301351278	18627	Indian	Indian	OW	P
LC TRIBAL 13-19D-45	19	040S	050W	4301351280	18628	Indian	Indian	OW	P
LC TRIBAL 5-30D-45	30	040S	050W	4301351281	19448	Indian	Indian	OW	P

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LC TRIBAL 15-24D-46	24	040S	060W	4301351283	18626	Indian	Indian	OW	P
LC TRIBAL 13H-24-46	19	040S	050W	4301351289	18629	Indian	Indian	OW	P
7-16-47 BTR	16	040S	070W	4301351296	18950	Indian	Fee	OW	P
14-18D-45 BTR	18	040S	050W	4301351313	19005	Indian	Indian	OW	P
LC TRIBAL 16-30D-46	30	040S	060W	4301351320	19006	Indian	Indian	OW	P
LC TRIBAL 5-20D-45	20	040S	050W	4301351331	19449	Indian	Indian	OW	P
11-8D-46 BTR	8	040S	060W	4301351336	19314	Indian	Indian	OW	P
5-7D-45 BTR	7	040S	050W	4301351350	18951	Indian	Indian	OW	P
7-5-35 BTR	5	030S	050W	4301351599	19078	Indian	Fee	OW	P
13-5D-35 BTR	5	030S	050W	4301351600	18996	Indian	Fee	OW	P
11-5D-35 BTR	5	030S	050W	4301351601	19061	Fee	Fee	OW	P
15-5D-35 BTR	5	030S	050W	4301351602	19062	Fee	Fee	OW	P
9-5D-35 BTR	5	030S	050W	4301351609	19029	Indian	Fee	OW	P
3-5D-35 BTR	5	030S	050W	4301351638	19079	Indian	Fee	OW	P
7-8-46 BTR	8	040S	060W	4301351702	19315	Indian	Indian	OW	P
7-30-46 DLB	30	040S	060W	4301351703	18997	Fee	Indian	OW	P
3-13D-46 BTR	13	040S	060W	4301351718	18881	Indian	Indian	OW	P
2-13D-46 BTR	13	040S	060W	4301351719	18885	Indian	Indian	OW	P
12-12D-46 BTR	12	040S	060W	4301351720	18867	Indian	Indian	OW	P
10-12D-46 BTR	12	040S	060W	4301351721	18856	Indian	Indian	OW	P
11-11D-47 BTR	11	040S	070W	4301352091	19633	Fee	Fee	OW	P
7-12D-47 BTR	12	040S	070W	4301352094	19600	Indian	Fee	OW	P
5-12D-47 BTR	12	040S	070W	4301352095	19634	Indian	Fee	OW	P
14-33D-35 BTR	33	030S	050W	4301352162	19450	Indian	Fee	OW	P
16-33D-35 BTR	33	030S	050W	4301352163	19451	Indian	Fee	OW	P
14-22-46 DLB	22	040S	060W	4301333660	17604	Indian	Indian	D	PA
13H-31-36 BTR	31	030S	060W	4301350465	18485	Indian	Fee	OW	PA
16X-23D-36 BTR	23	030S	060W	4301350623	18007	Indian	State	OW	PA
8-6-45 BTR	6	040S	050W	4301350900	18561	Indian	Indian	OW	PA
13-13-36 BTR	13	030S	060W	4301350919	18364	Indian	Fee	OW	PA
7-28-46 DLB	28	040S	060W	4301333569	16460	Indian	Indian	OW	S
5-21-36 BTR	21	030S	060W	4301333641	16674	Indian	Fee	GW	S
13-26-36 BTR	26	030S	060W	4301333980	17569	Indian	Fee	OW	S
14-1-46 BTR	1	040S	060W	4301334113	18516	Indian	Indian	OW	S
16-21-36 BTR	21	030S	060W	4301334130	17721	Indian	Fee	OW	S
14-21-36 BTR	21	030S	060W	4301334131	18006	Indian	Fee	OW	S
7-16-36 BTR	16	030S	060W	4301334133	17834	Indian	Fee	OW	S
1-30-36 BTR	30	030S	060W	4301334134	17905	Indian	Fee	OW	S
16-30-36 BTR	30	030S	060W	4301334135	18005	Indian	Fee	OW	S
3-23-36 BTR	23	030S	060W	4301334137	17860	Indian	Fee	OW	S
16-16-36 BTR	16	030S	060W	4301334138	17666	Indian	Fee	OW	S

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4-26-36 BTR	26	030S	060W	4301334139	17620	Fee	Fee	OW	S
9-11-36 BTR	11	030S	060W	4301334276	17451	Indian	Fee	OW	S
3-36-36 BTR	36	030S	060W	4301350398	17955	Indian	Fee	OW	S
7-10-36 BTR	10	030S	060W	4301350437	18052	Indian	Fee	OW	S
16-12D-46 BTR	12	040S	060W	4301350467	18051	Indian	Indian	OW	S
13H-13-46 BTR	13	040S	060W	4301350468	18208	Indian	Indian	OW	S
13-12-46 BTR	12	040S	060W	4301350469	18233	Indian	Indian	OW	S
14-8D-36 BTR	8	030S	060W	4301350612	18163	Indian	Fee	OW	S
14-7D-36 BTR	7	030S	060W	4301350613	18330	Indian	Fee	OW	S
16-9-36 BTR	9	030S	060W	4301350645	18078	Indian	Fee	OW	S
7-27-37 BTR	27	030S	070W	4301350647	18090	Indian	Fee	OW	S
16-12D-37 BTR	12	030S	070W	4301350785	18446	Indian	Fee	OW	S
14-21D-37 BTR	21	030S	070W	4301350859	18548	Indian	Fee	OW	S
10-18D-36 BTR	18	030S	060W	4301350915	18884	Indian	Fee	OW	S
5-27D-36	27	030S	060W	4301350917	18482	Indian	State	OW	S
10-36D-36 BTR	36	030S	060W	4301351005	18523	Indian	Fee	OW	S
14-6D-45 BTR	6	040S	050W	4301351158	18967	Indian	Indian	OW	S
5H-1-46 BTR UTELAND BUTTE	6	040S	050W	4301351215	18728	Indian	Indian	OW	S
5H-1-46 BTR WASATCH	6	040S	050W	4301351216	18727	Indian	Indian	OW	S
1-25D-36 BTR	25	030S	060W	4301351294	18798	Indian	Fee	OW	S
5-5D-35 BTR	5	030S	050W	4301351605	19055	Indian	Fee	OW	S
16-23-36 BTR	23	030S	060W	4301333971	17182	Indian	Fee	OW	TA
LC TRIBAL 14-23D-47	23	040S	070W	4301334022	18616	Indian	Indian	OW	TA
5-32D-36 BTR	32	030S	060W	4301350756	18328	Indian	Fee	OW	TA



October 20, 2016

Re: Bill Barrett Corporation Transfer to New Operator

Dear Ms. Medina:

Attached please find the change of operation Form 9, Form 5's and Request to Transfer APD form changing the operator from Bill Barrett Corporation to RIG II, LLC, effective 11/1/2016. Badlands Energy – Utah, LLC will be a sub-operator.

New Operator Contact information:

RIG II, LLC
1582 West 2600 South
Woods Cross, Utah 84087-0298
Telephone: (801) 683-4245
Fax: (801) 298-9889

Upon reviewing the attached, please contact myself with any questions at 303-312-8115.

Sincerely,

Bill Barrett Corporation

Brady Riley
Permit Analyst

RECEIVED
OCT 21 2016
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:
(see attached well list)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
N/A

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:
(see attached well list)

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER _____

2. NAME OF OPERATOR:
RIG II, LLC N4055

3. ADDRESS OF OPERATOR:
1582 West 2600 South CITY Wood Cross STATE UT ZIP 84087 PHONE NUMBER: (801) 683-4245

4. LOCATION OF WELL
FOOTAGES AT SURFACE: (see attached well list)

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 11/1/2016	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

RIG II, LLC IS SUBMITTING THIS SUNDRY AS NOTIFICATION THAT THE WELLS LISTED ON THE ATTACHED LIST HAVE BEEN SOLD TO RIG II, LLC BY BILL BARRETT CORPORATION EFFECTIVE 11/1/2016. PLEASE REFER ALL FUTURE CORRESPONDENCE TO THE ADDRESS BELOW.

RIG II, LLC
1582 West 2600 South
Woods Cross, Utah 84087-0298
801-683-4245
(STATE/FEE BOND # 9219529/ BLM BOND # UTB000712/ BIA BOND # LPM9224670)

BILL BARRETT CORPORATION N4165
Duane Zavala NAME (PLEASE PRINT)
Duane Zavala SIGNATURE
Senior Vice President -
EH&S, Government and Regulatory Affairs

RIG II, LLC
Jesse McSwain NAME (PLEASE PRINT)
Jesse McSwain SIGNATURE
Manager

NAME (PLEASE PRINT) Jesse McSwain
SIGNATURE Jesse McSwain
TITLE Manager
DATE 10/20/16

(This space for State use only)

APPROVED

NOV 07 2016

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Request to Transfer Application or Permit to Drill

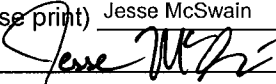
(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

Well name:	(See attached list)
API number:	
Location:	Qtr-Qtr: Section: Township: Range:
Company that filed original application:	Bill Barrett Corporation
Date original permit was issued:	
Company that permit was issued to:	Bill Barrett Corporation

Check one	Desired Action:
	Transfer pending (unapproved) Application for Permit to Drill to new operator
	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input checked="" type="checkbox"/>	Transfer approved Application for Permit to Drill to new operator
	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> If so, has the surface agreement been updated?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has the approved source of water for drilling changed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is bonding still in place, which covers this proposed well? Bond No. <small>9219529-LUDGM / UTB000712-BLM / LPM9224670-BIA</small>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) Jesse McSwain Title Manager
Signature  Date 10/20/16
Representing (company name) RIG II, LLC

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

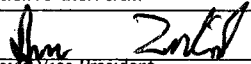
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

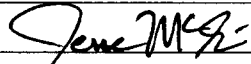
Well Name and Number 6-32-36 BTR SWD	API Number 4301350921
Location of Well Footage : 1628 FNL 1553 FWL County : DUCHENSE QQ, Section, Township, Range: SENW 32 3S 6W State : UTAH	Field or Unit Name CEDAR RIM Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

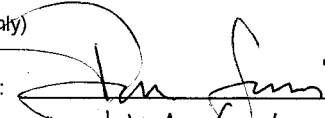
CURRENT OPERATOR

Company: <u>BILL BARRETT CORPORATION</u>	Name: <u>Duane Zavadii</u>
Address: <u>1099 18th Street Ste 2300</u>	Signature: <u></u>
city <u>DENVER</u> state <u>CO</u> zip <u>80202</u>	Title: <u>Senior Vice President -</u>
Phone: <u>(303) 293-9100</u>	Title: <u>EH&S, Government and Regulatory Affairs</u>
Comments:	Date: <u>10/20/16</u>

NEW OPERATOR

Company: <u>RIG II, LLC</u>	Name: <u>Jesse McSwain</u>
Address: <u>1582 West 2600 South</u>	Signature: <u></u>
city <u>Wood Cross</u> state <u>UT</u> zip <u>84087</u>	Title: <u>Manager</u>
Phone: <u>(801) 683-4245</u>	Date: <u>10/20/16</u>
Comments:	

(This space for State use only)

Transfer approved by: 
Title: UIC Geologist

Approval Date: 11/3/16

Comments:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

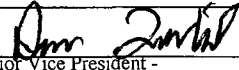
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

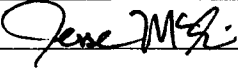
Well Name and Number 16-6D-46 BTR SWD	API Number 4301350781
Location of Well Footage : 0200 FSL 0099 FEL County : DUCHESNE QQ, Section, Township, Range: SESE 6 4S 6W State : UTAH	Field or Unit Name ALTAMONT Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016


CURRENT OPERATOR

Company: <u>BILL BARRETT CORPORATION</u>	Name: <u>Duane Zavadi</u>
Address: <u>1099 18th Street Ste 2300</u>	Signature: <u></u>
city <u>DENVER</u> state <u>CO</u> zip <u>80202</u>	Title: <u>Senior Vice President -</u>
Phone: <u>(303) 293-9100</u>	Title: <u>EH&S, Government and Regulatory Affairs</u>
Comments:	Date: <u>10/20/16</u>

NEW OPERATOR

Company: <u>RIG II, LLC</u>	Name: <u>Jesse McSwain</u>
Address: <u>1582 West 2600 South</u>	Signature: <u></u>
city <u>Wood Cross</u> state <u>UT</u> zip <u>84087</u>	Title: <u>Manager</u>
Phone: <u>(801) 683-4245</u>	Date: <u>10/20/16</u>
Comments:	

(This space for State use only)

Transfer approved by: 
Title: VIC

Approval Date: 11/3/16

Comments:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

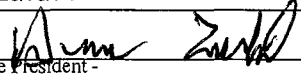
UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

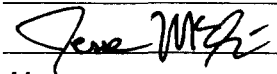
Well Name and Number SWD 9-36 BTR	API Number 4301350646
Location of Well Footage : 0539 FSL 0704 FEL County : DUCHESNE QQ, Section, Township, Range: SESE 9 3S 6W State : UTAH	Field or Unit Name CEDAR RIM Lease Designation and Number 2OG0005608

EFFECTIVE DATE OF TRANSFER: 11/1/2016

CURRENT OPERATOR

Company: <u>BILL BARRETT CORPORATION</u> Address: <u>1099 18th Street Ste 2300</u> <u>city DENVER state CO zip 80202</u> Phone: <u>(303) 293-9100</u> Comments:	Name: <u>Duane Zavadi</u> Signature: <u></u> Title: <u>Senior Vice President - EH&S, Government and Regulatory Affairs</u> Date: <u>10/20/16</u>
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NEW OPERATOR

Company: <u>RIG II, LLC</u> Address: <u>1582 West 2600 South</u> <u>city Wood Cross state UT zip 84087</u> Phone: <u>(801) 683-4245</u> Comments:	Name: <u>Jesse McSwain</u> Signature: <u></u> Title: <u>Manager</u> Date: <u>10/20/16</u>
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(This space for State use only)

Transfer approved by: _____ Approval Date: _____

Title: _____

Comments:

*This well was approved by USEPA.
EPA approval will be required.*